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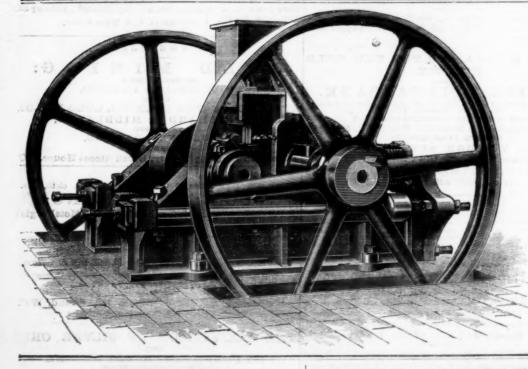
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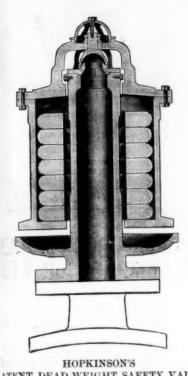
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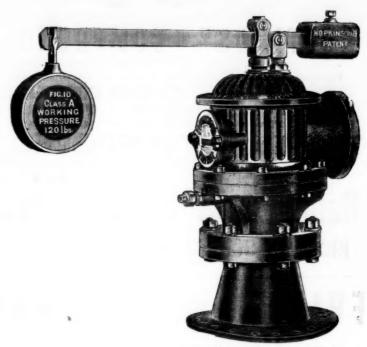
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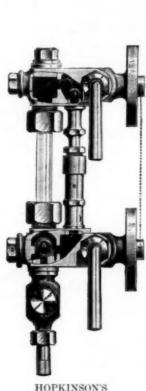
HOPKINSON'S PATENT "TRIAD" JUNCTION VALVE FIG. 100.



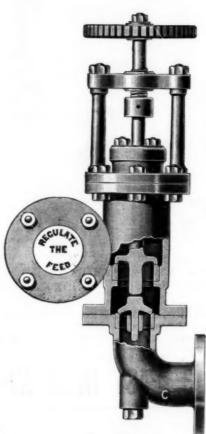
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HOPKINSON'S FIG. 401.



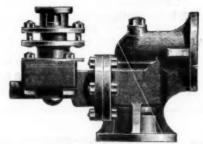
"OWN MAKE" STEAM GAUGE. PATENT "ABSOLUTE" WATER GAUGE. FIG. 644.



PATENT ACCESSIBLE CHECK-FEED VALVE. FIG. 132.



FIG. 254.



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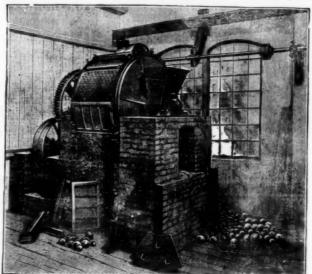
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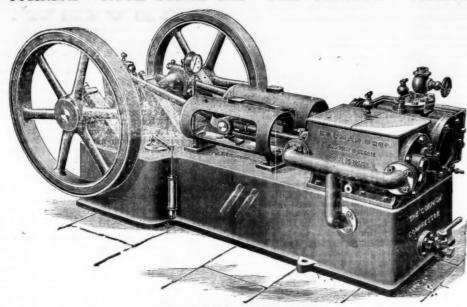
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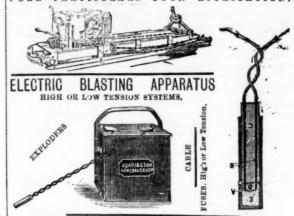
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CORNISH POST AND MINING NEWS A HIGH CLASS UNIONIST NEWSPAPER.

ISSUED EVERY THURSDAY and SATURDAY, PRICE ONE PENNY

The Cornish Post and Mining News Co. (Limited) East Charles Street, Camborne, Cornwall

AWARDS: CRYSTAL PALACE, 1890; TASMANIA, 1891; KIMBERLEY, 1892.

## Clarkson-Stanfield Concentrator (Limited).

In the CLARKSON-STANFIELD process of Concentrating Refractory and Complex Ores no water is required; dust is reduced to a minimum; the loss of Mineral through water-borne Slimes is obviated.

OUTPUT 1 TO 2 TONS PER HOUR, ACCORDING TO SIZE OF MACHINE. CONCENTRATOR TO BE SEEN IN OPERATION AT THE COMPANY'S ONLY ADDRESS

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The Machine is superior to Sieves for Sizing Homogeneous Substances, such as Emery, Sand, and Powders, and may be used to great advantage in the preparation of Ochre.

N.B.-The owners of the Carndochan Mine, near Bala, North Wales, will, by arrangement, show their CLARKSON-STANFIELD plant working on a Refractory Low Grade Gold Ore.

#### NEW PATENTS.

LIST of APPLICATIONS for New Patents relating to Mining Metallurgical, Engineering, Railway and kindred matters, specially compiled from official sources for the "Mining Journal" by Mossrs Rayner and Company, Patent Agents, 37, Chancery Lane, London, W.C., who will forward all information regarding them free on application.

21 01 William Porritt Ingham, York City Bank Chambers, Middesbrough.—
Improvements in the treatment or preparation of iron ores, or refuse materials containing iron, for smeiting purposes, December 2.

2021 Robert Stone, S. Quality Court, Chancery Lane, London.—Improvements in the method of extracting and hardening gold, silver, copper, lead, and other metals from rocks, ores, quarts, or other substances; also in machinery for carrying out the same.—December 2.

copper, lead, and other metals from rocks, ores, quarks, or other substances; also in machinery for carrying out the same.—December 2.

20,552 Henry Ryan Lewis and Charles Geletharp, 11, Southampton Buildings, Chancery Lane, London.—Improvements relating to the extraction of gold and other metals from ores, tallings, slimes, and other compounds containing the same, to apparatus therefor, and to the proparation of solvents for use in such extraction.—December 2.

20127 William Ackroyd and William Best, 33, Chancery Line, London,—Improvements in or connected with miners safety lamps.—December 3.

20130 George Longworth, 4, St. Ann's Square, Manchester.—Improvements in furnaces for steam boilers, and in apparatus for supplying fuel thereto.—December 4.

20141 Henry Brooke Murray, 45, Pall Mall, London.—Improvements for the transport of stores of small bulk, but of great weight, in commercial work, such as mineral ores, in mines and such-like operations.—December 4.

20151 Joseph Sculthorpe, 13, St. George's Orescent, Liverpool,—Improved means for aiding combustion in boilers and boiler and other furnaces.—December 5.

20162 John Edward Bohlleper, 45, Southampton Buildings, Chancery Lane, London.—Improvements in metallurgical furnaces.—December 5.

20163 Emile Andreoli, 127, Cold Harbour Lane, London.—Himprovements in metallurgical furnaces.—December 7.

20164 Walter Haweis James and Charles James Norris, 233, High Holborn, London.—Improvements relating to the extraction of precious metals from their ores.—December 7.

20165 Reliand Belfield, 31, High Holborn, London,—Improvements relating to electric railways.—December 7.

#### SPECIFICATIONS PUBLISHED.

22049, Scott, steam, &a., engines, 1894; 23902, Simon, coverings for steam phes, boilers, &c., 1894; 832, Hood, gold solvents, 1895; 1895; 1808s, Binnie, rock drills, 1895; 1895; 1808s, Binnie, rock drills, 1895; 1809s, bearen engine, 1895; 17204, Buttner, boilers, 1895; 18979, Freise, miners', &c., lamps, 1895,

Th shore specifications published may be had of Mesors, Rayner and Co., 37, me, London, at 10d. each, including postage.

## JOINT-STOCK COMPANIES.

NEW REGISTRATIONS.

THE following are among the joint-stock companies registered at Somerset House since our last notice:—

Joint-Stock Investment Corporation (Limited) - R gitterel November 30, by A. H. Atkins (Limited). Bisserie Street, E.C., with a cipital of \$2000, in 3000 io. founders shares and 500 £0 ordinary. Object: To carry on business as stock and share dealers, &c. Table A mainly applies.

Toify Valo Mining Company (Limited). Registered Dacember 3, by E. J. Evershed, St. Stephen's Onamoers, Telegraph Street, E.C., with a capital of \$10,000 in £1 shares. Object: To acquire and turn to account the lesse of certain mines under Bromberelan and Abbay Farms, parish of Gwnnws, Oardganshire, and to enter late an agreement with G Westall. Registered without Articles of Association. Registered office: St. Stephen's Chambers, Telegraph Street, E.C.

ganshire, and to enter into an agreement with G Westail. Registered without Articles of Association. Registered office: St. Stephen's Chambers, Telegraph Street' E.C.

New Elkhorn Mining Company (Limited).—Registered December 3, by Irvine and Borrowman, 8, Hart Street, Mark Hane, E.C., with a capital of \$300,000, divided into 300,000 shares of £i each \$27,500 of which are priority). Object: To adopt and carry into effect two several agreements expressed to be made abetween the Eikhorn Mining Company (Limited), and C. Pakeman (liquidator thereof) of the one part, and this company of the other part, and another agreement made between F. H. Collins of the one part, end this company of the other part, and another agreement made between F. H. Collins of the one part, end this company of the other part : generally to acquire any mines, mining, water, or other rights, grants, leases, claims, concessions, mineral deposits, options of purchase, metalliferous land, &c., in the United States of Americs, to develop and turn to account the same in such manner as the company shall deem expedient, and generally to carry on the business of a mining, milling, and smelting company in all its branches. The first directors—of whom there shall not be less than three nor more than eight—are A. G., Brand, J. W. Hart, W. A. Lindsay, W. C. Pepys, J. G. Smith, F. H. Colins, and R. S. Maciaren, Qualification, £250. Remuneration, £250 each per annum and £100 extra for the Chairman. Registered offices; 6, Drapers' Gardens, E.C.

Pambula Cold Mines—The Pambula Gold Mines of the purpose of acquiring three leases having an aggregate area of about 19 acres at Yowaks, New South Wales. The prospectus states that the Faikner lode runs through the property, and that Captain O. P. Richards, of Ballarat, estimates that the ore is certain to the same of its subsidiary companies. The propect of the purchase price has been fixed at £30,000, pavable as to £10,000 in £11 paid shares, and as to the balance in cash. The public are now invited to subscribe

FOR MINE, QUARRY, RAILWAY, AND ENGI-NEERING WORK, STORES, &c.

\*We shall be obliged by being promptly placed in possession of particulars regarding contracts open for competition, and of the results of successful tenders. In the latter case contract prices should be given.

The date given is that by which tenders must be delivered, in nearly all cases further information can be obtained on application at the addresses given. In applying for such the name of " The Mining Journal" show d be mentioned as the original source of the information, concerning which further particulars are required.

HOME CONTRACTS.

Brake Vans. December 21 (India Office, S.W.)—The Secretary of State for India in Council is prepared to receive tenders to supply (1) brake van, &s., (2) spans; (3) societae transe; (4) axie-boxes; (3) steel volute springs; (5) steel inminated springs. The conditions of contract may be obtained on application to the Director-General of Stores, India Office, Whitehall, S.W., and tenders are to be delivered at that office by 2 p.m. on 31st last.

Coal. Docomber 23 (Cartiste).—For the supply of best round coal, washed nots, washed dust, and gas coke, for six months from 27th inst., for the guardians. The washed dust may be tendered for separately, and the right is reserved to let it separately or with the rest of the contract. Sasied tenders, endorsed "Tender for Coal." must be delivered before it a.m. on 37d inst.

Coal. Docomber 25 (Dunder)—For the supply of coal for 12 months for the Dundee Harbour Trustees, according to specification, which may be seen at the office of Mr. David Cunningham, harbour engineer, Works Office, Harbour Chambers, Dock Street, Dundee, with whom tenders, marked and scaled, are to be lodged by 25th inst.

Coility Stores, Docomber 26 (Garforth Colliery).—For the following, for the year 1996, for the owners of Garforth Colliery—vis., iron, steel, iron and steel castings, hardware, nalls, ropes, bratice cloth, indiarubber, timber, oil, grease, &c. Forms of tender can be obtained on application to the owners of Garforth Colliery, near Leeds, to whom they must be returned by the 3th inst.

Iron, January 3 (Breslau).—For supply of (a) 190.300 kilos of firebara: (h)

inst.

Iron, January 3 (Breslau).—For supply of (a) 296,300 kilos of firebars; (b) 2,745,050 kilos of bar, hoop, and figure iron, and iron pistes; (c) 20 draw-hooks, 69:0 screw and safety couplings, 67: buffer heads, 704) buffer rods, and 2378 coupling spindles. Conditions for 50 piennigs for (a), and 1 mark each for (b) and (c), in cash, from Die Königl. Eisenbahr-Direction, Breslau, Gormany.

Firebars, January 16 (Brassels).—For supply for the Admiralty service in Ostend in 1895 of iron firebars. Security, 800 francs. Specification No. 21 at the Brussels Bourse.

A GREAT INJUSTICE is very often done because some self-assertive people imagine it is next to impossible to make an orror. Shakespeare must have made an analytical study of the human heart before he uttered those warning words. "Man know thyself, then others learn to know." This is a lesson we should all try and perfect ourselves in, and when this has been done we have to face the significant fact that unless we cultivate good health, prosperity and hoppiness cannot abide with us. Holloway's Pills will aid us to do this. The most eminent medical men agree that for the preservation of good hea'th and cure of disease there is nothing to equal them.

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#### MECHANICAL ENGINEERING: MACHINERY, MINING and RAILWAY PLANT, &c.

Illustrated Descriptions of New and Standard Mechanical Appliances, Accessories and Processes, adapteu to Mining, Metallurgical, Railway, Engineering and other Industrial

#### HANSELL'S "CORRU" STEEL HAULAGE ROLLERS.

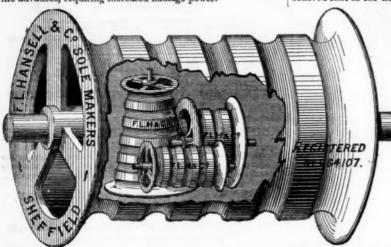
LL who have connection with rope haulage in mining and

LL who have connection with rope haulage in mining and the like operations are, of course, well enough aware of the prominent part played by the rollers or pulleys necessarily required to carry and guide the ropes in use.

An important item in advantageous working will ever be the cost of maintenance of wire ropes in collieries, ironstone, lead, and copper mines, brick works and so forth, as used on inclines, and for endless year and other systems.

and copper mines, orice works and so forth, as used on inclines, and for endless rope and other systems of rope haulage power.

The cause of frequent renewals of ropes used is sometimes ascribed to their inferior quality; the real fault oftener lays in another direction—viz., the rope, although of high class Sheffield steel, has been severely punished by being sawn over unequally thick lopsided rollers, which fail to revolve as quickly as they should do when the rope hears on them, and sometimes remain should do, when the rope bears on them, and sometimes remain even fixed, heavy side downwards, until they are sawn through by the constant friction of the passing rops, which thus acts similar to an endless band saw, rapidly deteriorating the tough outer surface of the rope, its fibre and strands, besides, as its life advances, requiring increased haulage power.



The registered haulage rollers, here illustrated, have, we understand, been proved to meet a long-felt want; they revolve almost immediately they are touched by the passing rope, acquiring therefrom a much greater grip or hold than do the flat surfaced rollers, owing to the clinging or greater surface-covered form of these corrugations or grooves. For who has not noticed in practical use that the ropes seem to have a preference for roller ends or corners where the barrel and flange meet, and if a groove gets worn in the barrel the rope seems to always find it out, and settles to work there.

These rollers, it will be at once noticed, are corrugated or

grooved along their entire length, and these grooves seem to get a fairly equal amount of usage, according to the limit of curvature of the wagon way, and for small diameters the grooves are nearer to each other.

improved haulage rollers are made of rolled and stamped wrought iron or steel, are remarkably light, well balanced and true, being of equal thickness, which cannot always be acquired with a cast article.

They are made of diversified shapes and sizes up to 24 inches long, and of any diameter, to suit various users by the old and experienced firm of Messrs. F. L. Hansell and Co., of Eyre Lane Works, Sheffield, who have acquired the sole right of manufac-

ture from the inventor.

Their knowledge of about 30 years in steel wheels and axles and general steel requirements for mining use is some guarantee that this invention is in good hands.

"IN THE MONEY-LENDER'S CLUTCHES,"-This is the title of a "In the Morey-Lender's Clutches,"—This is the title of a pamphiet written by Mr. Thomas Farrow, an author well known as the editor of "The Parish Councillor," and as the author of "The Money-Lender Unmasked." It is a most important pamphlet, and it is one which should be universally read by all classes of the commentity. "It "lays 'bare an evil existing in our midst which requires an immediate and drastic remedy. This is the object the author has in view, and he suggests the most effective manner in which it can be done. The price of the pamphlet is only one penny, so that no one need complain that it is beyond his means to purchase it. In publishing this book, which has already received a very hearty and unanimous welcome from the Press, Mr. Thomas Farrow is performing a public service, and in his laudable object we wish him every success. The book is published by the Yeoman Company (Limited), 11, Palace-chambers, Westminster.

A SAFETT BELL FOR BLAST FURNACES.—To prevent damage A SAFETT BELL FOR BLAST FURNACES.—To prevent damage to blast furnaces by the explosions which frequently occur in the top of the stack, from the ignition of accamulated gases, an improved bell has been devised and patented by George B. Berger and Martin H. Thompson, of Newcastle, Pennsylvania, U.S.A. The bell, seated in the hopper, has a perpendicular cylindrical extension, at the top of which is an outwardly opening pivoted door or valve, which is adapted to be opened automatically by the force of accumulated gases or explosions. The bell extends approximately half its length above the top of the hopper when the bell is in closed position, and when the bell is in the lowermost position its upper cylindrical portion projects above the upper surface of the hopper, and all danger of the valve being clogged or affected by the contents of the hopper is avoided, the valve being thus free to operate at all times.—
Engineer and Iron Trades Advertiser.

THE INDIAN PETROLEUM TRADE.—The petroleum trade in India and the East is daily increasing, and latest advices tell us that Sir W. G. Armstrong, Mitchell, and Co., have recently launched a very large petroleum tank steamer, which has been built to the order of Messre. Samuel and Co., London, the owners of the Shell line of steamers. The new vessel is the largest tank steamer in the world. She has been designed to carry out cargoes of oil to Asiatic ports and to bring general cargoes homeward. This has been rendered possible by means of elaborate arrangements made for purifying and ventilating the oil tanks after discharging their liquid cargo. The vessel is 307 feet in length, and of 7000 tons register.—Indian and Eastern Engineer.

#### MR. C. S. GOLDMANN ON SOUTH AFRICAN MINES.

#### POLITICS AND PROSPECTS ON THE RAND.

HE largest gathering ever held in connection with the Anglo-African Writers' Club assembled on Tuesday evening in the Marble Salon of the Grand Hotel, Trafalgar-square, to do honour to Mr. C. S. Goldmann, with especial eference to his recently published and valuable treatise on the Witwaters and gold mines.

Mr. WILLIAM EGLINGTON, the Chairman of the club, pre-

Mr. William Edlington, the Chairman of the club, presided, in the unavoidable absence of Sir Donald Currie, who was expected to take the chair, and proposed Mr. Goldmann's health in a speech, eulogistic alike of his ability and integrity. Mr. Goldmann, who was warmly cheered, alluded at great length to the all-important question of Rand Deep Levels, in which he expressed his strong faith. Referring specifically to the recent sensational Geldenhuis report, he said that it would have excused a certain degree of uneasiness if it had proved to have been representative, either of the Geldenhuis Deep Levels or of the Rand Deep Levels in general. But they had it on the authority of the men in authority at the mine, men in whose integrity they had no reason to disbelieve, that the report in question was not even representative of the Geldenhuis property, much less of the Rand Deep Levels as a whole. It was stated, and to all appearances truly stated, that the conditions about Geldenhuis which were existent during the period concerned with the report were entirely abnormal in many ditions about Geldenhuis which were existent during the period concerned with the report were entirely abnormal in many ways and chiefly owing to the native labour difficulty. He believed that in the near future, reports from the Geldenhuis Deep Levels, taken for periods of a normal character, would show thoroughly encouraging and reassuring returns. It was unwise and

suring returns. It was unwise and unfair to take the report mentioned as condemning in any sense the deep levels of the Rand, comprising pro-perties even more favourably sit-uated than the Geldenhuis; per-sonally he was most optimistic as to the future of the Rand as a centre of sound industrial extension of sound industrial enterprise. Since 1892 the gold output had increased almost two-fold, and he saw no reason why the next few years should not see even more splendid developments. Investors need have no fear that their investments in any of the sound main reef properties in the Witwatersrand were likely to prove disastrous. He prophesied an early favourable movement of prices, a movement more than warranted by the intrin-sic value of the properties chiefly the question of a revival of the

concerned. Treating of the question of a revival of the mining market at an early date, he stigmatised as unfounded mining market at an early date, he stignatised as unfounded and inexcusable the alarm exhibited in some quarters over the cable summary of Mr. Lionel Philipps' Johannesburg speech at the Chamber of Mines' meeting some time ago. Without waiting to learn the full text of the discourse mentioned, certain papers and people hastened to put what he was convinced was not by any means a correct construction on the summary to hand. The speech a correct construction on the summary to hand. The speech was doubtless none the less a very important and significant one. Before delivering it Mr. Philipps almost certainly consulted his confreres in the Rand mining industry, and this fact lent great weight to his declarations; they were the representalent great weight to his declarations; they were the representative utterances of Transvaal mining interests. He did not regard the speech as a threat to the Boer Government. He preferred to look upon it as a plea for a friendly settlement of the questions at issue as between the Dutch and the Uitlander; as a declaration that the time had arrived when the Transvaal Government should sympathetically consider the demands of the newcomer. A few years ago only, the Uitlander population of the Rand was only 20,000, which is the total number of burghers on the Transvaal electoral roll. To-day they are over 100,000, and they increase at the rate of 20,000 a year. the Transvani electoral roll. To-day they are over 100,000, and they increase at the rate of 20,000 a year. They have, practically, created the Rand as a centre of industry, have rescued the Transvani from debt, and provided it with a large reserve of wealth. They pay nine-tenths of the taxes, and yet they have no share whatever in the Government, and are prohibited from having their children taught in their own tongue. These were wrongs which could not continue, and he personally could speak from experience of their injustice, as although colonial born the law of the Transvani refused him the right to vate. Mr. Philippa' apocal. Transvaal refused him the right to vote. Mr. Philipps' speech he interpreted as merely a formal protest from the wealth-creating forces of the Transvaal against the dominance of an in-dolent race, who had too long attempted to exercise what it seemed to regard as an hereditary right to rule, and a suggestion that a friendly settlement should be arrived at before the arrival of a climax when reason and moderation should seem no longer possible. This was a most important event in the Transvaal history, but he did not take it as a threat; it was rather, he suggested, "a friendly lead." And he failed to realise, therefore, the reason for all the dark forebodings and alarming rumours which had shaken some men's confidence. Even if the stability of Rand mining, as a payable investment, were not a thing quite apart from the temporary fluctuaa thing quite apart from the temporary fluctua-tions of the market—taking it for granted that the gold standard would be indefinitely retained—he failed to see any cause for alarm at Mr. Philipps' word. Rather the re-verse. They would, he hoped and trusted, lead to political reform in the Transvaal, thus to more enlightened government and administration. The gold industry would benefit by these and administration. The gold industry would benefit by these thirgs in a cheapening of the cost of living, therefore of labour, consequently of production. These things would mean larger dividends for the shareholders fortunate enough to have money

in the numerous good concerns on the Rand, whose future, and that of South Africa as a whole, he had very great faith would be even more prosperous than its past.

The other notable speech of the evening was that of Major Ricarde Seaver, who considered that Mr. Philippa' speech was of a stronger nature than was hinted by Mr. Goldmann. However, he agreed there was no need for alarm. He shought the Kruper receive would speed in each and that he for that Sir W. G. Armstrong, Mitchell, and Co., have recently launched a very large petroleum tank steamer, which has been built to the order of Mesers. Samuel and Co., London, the owners of the Shell line of steamers. The new vessel is the largest tank steamer in the world. She has been designed to carry out cargoes of oil to Asiatic ports and to bring general cargoes homeward. This has been rendered possible by means of elaborate arrangements made for purifying and ventilating the oil tanks after discharging their liquid cargo. The vessel is 307 feet in length, and of 7000 tons register.—Indian and Eastern Engineer.

Kanya Exploration Company (Limited).—Mr. T. Watkin Davies has resigned his seat on the board of the Kanya Exploration Company (Limited).

the British Colonies the United States of South Africa. He the British Colonies the United States of South Africa. He was one of those who firmly believed in a great future for Rhodesia, even if it did not become a second and greater Rand. It was as large as the Continent of Europe, and destined to figure largely in the splendid development of African wealth and industry. It was impossible, in view of the almost limitless prospects of South Africa, to take any but a hopeful view of the future of the region as a means for the utilisation of surplus European capital and labour.

#### REVIEW.

Surveying and Levelling Instruments. By William Ford Stanley. (London: E. and F. N. Spon. Second edition, 1895.) We have had occasion more than once in these columns to We have had occasion more than once in these columns to comment severely upon a class of book that occasionally comes before our notice, in which a specious title is given to what, under the pretext of an instructive book, is a mere trade advertisement. We hasten, therefore, at the outset to say that Mr. Stanley's book on surveying instruments, the second edition of which now lies before us, is nothing of the kind. It is a book that is already favourably known to a good many professional means of surveying instruments, every such user to doubt users of surveying instruments; every such user, no doubt, knows Mr. Stanley as a manufacturer, and it was only to be expected that he would, naturally, in a book that he himself writes, describe and illustrate the instruments which he himself makes, not only because he knows these best, but also because makes, not only because he knows these best, but also because he must, even if only as a matter of every day business, have assured himself that they answer their purpose as well as, if not better, than those put on the market by his trade rivals. We are, however, very pleased to note the spirit of fairness that seems to pervade the work, in which instruments of other makers are described in the rare cases in which nothing of the same pattern is manufactured by Mr. Stanley. We find a certain amount of the theory of the construction of survey instruments given here; it is the minimum that a user of such instruments should know, and we hope for the credit of the engineering profession that these portions of the book will be but rarely needed, and that no one would presume to lay hands on a theodolite (save as bearer), unless he knew at least as much of physics as is here bearer), unless he knew at least as much of physics as is here bearry, unless he knew at least as much or physics as is here included. A very valuable portion of the work is that devoted to the technology of the subject, which treats of the mode of construction of the instruments. A mining engineer, more than any other perhaps, has to use his instruments in out-of-the-way corners of the globe, where repairing shops are not available, and if any accident happens to his instrument, he is chiefly dependent on his own knowledge of its construction to enable his pendent on his own knowledge of its construction to enable him to repair the damage. Mining engineers are, therefore, espe-cially interested in this chapter. They will also find a chapter devoted to mining survey instruments; this describes, of course, the usual forms of miners' dial with its various improvements, and also Stunley's mining transit, a combination of dial with the transit theodolite, which has, however, the serious dis dvantage that the telescope is placed eccentrically and not in the axis of the instrument; this construction requires the application of various corrections, and is not really satisfactory. We are, however, glad to say that the various forms of miners' dial are to a certain extent being replaced by the more accurate transit theodolite proper, and it is to be desired that makers in this country would turn their attention to this instrument and to fit it with the various little additions that would so greatly increase its utility for underground work.

increase its utility for underground work.

A new chapter in the present book is that on "Inclinometers."

It describes Lister's inclinometer theodolite, which consists of a plain theodolite with the telescope free to revolve in the horizontal plane of its optical axis, instead of being carried in Ya.

It can thus be set at any required angle, and will then range to all objects in a plane with this inclination. It may be pointed out that, in addition to the purposes for which it was originally intended, this instrument would prove useful to mining engineers; if it be erected on the outcrop of a reof, and set at the "hade" of that reef, the telescope will pick up any points in valleys or broken country that are on the reef, without any necessity for calculation as to the amount of "throw" that the reef has experienced in the valley. We venture to think, however, that this chapter might well be further amplified. Mr. Stanley does not mention some forms of "rule clinometer" much used by miners and prospectors, which form a fairly efficient substitute for the miners' dial in rough surveys, clinometer" much used by miners and prospectors, which form a fairly efficient substitute for the miners' dial in rough surveys, nor does he seem to be acquainted with that capital rough instrument, the "road tracer," of Ceylon, much used by planters and contractors in the East, an instrument, by the way, well worthy of a little attention and further improvement. These are, however, minor details that can scarcely be said to detract from the real merit and utility of this little book, the new edition of which we are glad to welcome and to recommend to the notice of our readers at home and abroad.

THE DOUGLAS BAY GOLD MINE,—Last Friday afternoon, at the office of Woods and Forests, Whitehall, a deputation from Douglas had an interview with Mr. Howard, the Chief Commissioner of Woods and Forests, with respect to the question of royalty on the Douglas Bay Gold Mine. The royalty proposed by the Woods and Forests on this mine is 1-15th. The deputation pointed out that this was a crushing burden on the undertaking, and that if the Woods and Forests wished to encourage mining development in the Isle of Man they should, especially in the present state of the markets, be prepared to concede more liberal terms, and exact not more than 1-50th.—Mr. Howard promised to give every consideration to the request of the deputation, who thanked him and withdrew.

DEVELOPMENT IN THE TRANSVAAL .- As an evidence of the DEVELOPMENT IN THE TRANSVAAL.—As an evidence of the rapidity with which new mining districts are being opened up throughout the Transvaal, it may be mentioned that during the quarter prospecting licences yielded an increase of £109,000, diggers' licences an increase of £2003, the "but tax" an increase of £4000, court fines an increase of £3000, stand licences an increase of £5000, and the sale of stands an increase of £6500. The telegraph revenue was nearly doubled, while the newly-imposed royalty on the sale of dynamite realised no less than £9145. The progressive character of the revenue was fully maintained during October, the total for the month having was fully maintained during October, the total for the month having been £99,093, against £66,364 in the corresponding month last year. It is said to be the intention of the Transwal Government to devote a large portion of its surplus to the construction of railways, bridges. and other reproductive works; but the representatives of the mining interests express themselves sceptically on the subject.—Iron and interests exp

DURHAM MINERS' Association.—The annual council meeting of the Derham Miners' Association was held on Saturday at the Miners' Hall, Durham, Mr. John Forman presiding. There was a long agenda, most of the motions relating to alterations in the rules. long agenda, most of the most of the re-election of the agents—50 The principal interest attached to the re-election of the agents—betwer than six collieries having sent in proposals that Mr. W. H. Patterson, the head of the Union, be compulsorily retired on a pension, though it was never seriously expected that any of these resolutions would be passed. At the outset, however, it was proposed that Mr. Patterson and the other three agents, Messr. Forman, Wilson, M.P., and Johnson, be re-elected, and this motion was carried by a large resident. was carried by a large majority. It was also agreed that there by no alteration of rules. for nd.

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#### THE INSTITUTION OF CIVIL ENGINEERS.

T the ordinary meeting on Tuesday last, Sir Benjamin Baker, K.C.M.G., the President, in the chair, the paper read was on "The Design and Testing of Continual Fans," by Mr. H. Heenan, M.Inst.C.E., and Mr. W. dilbert, Wh.Sc., Assoc.M.Inst.C.E.

The object of the experiments recorded in this paper was to determine the best form of fan-blade and fan-case, and the most conomical diameter and speed of a fan, to produce any required volume of air at a given pressure. After referring to some of the practical difficulties involved, an outline was given of the manner in which the performance of a fan should be tested, a blast-fan, 28 inches in diameter, being selected for illustration. A distinction was made between the velocity and pressure-gauges for various deliveries, and the method of drawing the characteristic curve was explained. The effect of variation in the shape of the blades was next studied, those chosen having tip-angles of 35°, 60°, and 90° respectively, the fan-centre being 17 inches in diameter. It was shown that the blade having the radial tip gave the best result.

The experimental apparatus used for testing the smaller increase of fans was then described.

The experimental apparatus used for testing the smaller cases of fans was then described. Each fan delivered air through a circular iron tube into a boiler flue 2 feet 6 inches in diameter and 18 feet long. Circular orifices of various sizes were fitted in the flue to form graduated resistances, and the ir-relocity was estimated by an anemometer at the open end

ir-velocity was estimated by an anemometer at the open end of the flue. A transmission dynamometer measured the power absorbed by the fan. It was remarked that considerable differences in the velocity of the air might exist at the same cross-section of the delivery tube of the fan, in proof of which drawings were exhibited of the curves determined by experiment and of those obtained from some of the fans tested.

The Hoenan mine-ventilating fan, tested at Parkend Collecties, had a fan-centre 7 feet in diameter and 2 feet wide. This fan was designed to pass 20,000 cubic feet of air per minute at 3½ inches of water-gauge, and the result was found to agree well with the rules developed by the authors. A variable resistance was provided by closing the mouth of the air-drift to a greater or less extent. The horse power given to the fan was obtained by indicating the engine. Characteristic curves for tip speeds of 5000, 6000, 8000, and 9000 feet per minute were given. The maximum efficiency was 70 3 per cent.

for tip speeds of 5000, 6000, 8000, and 9000 feet per minute were given. The maximum efficiency was 70.3 per cent. The comparative output of fans of the same type, but differing in size, showed that, if they were run at the same tip-speed and produced the same water-gauge, the air discharge would be proportional to the centre section of the fan—that was, to the dismeter multiplied by the width. This being so, if the air discharged from any fan and the corresponding brake horse-power were divided by the area of the centre section, the characteristic curves plotted from these data, with the observed water-gauge, would be the same for all sizes of fans of the same type. It was shown how the dimensions of a fan could be determined from these curves, so that the most economical result water-gauge, would be the same for all sizes of fans of the same type. It was shown how the dimensions of a fan could be determined from these curves, so that the most economical result might be obtained; and an apparatus was described, by means of which the accuracy of the water-gauge tips, used for the measurement of air pressure and velocity, was tested. To test the facing gauges the following method was adopted:—The tip was moved at a known velocity through air at rest, by causing it to describe a circle of 20 feet circumference, and provision was made whereby a water-gauge recorded the air-pressure set up. The pressure in feet of air, due to a velocity in feet per second, was obtained by dividing the square of that whoity by 644; and it was found that a facing-tip, whether conical, parallel, or bell-mouthed, when used in connection with a water-gauge, would record this amount correctly. Three side-tips, which had been used to determine the compression existing in a stream of air flowing through a pipe, by placing them at right angles to the direction of flow, were Three side-tips, which had been used to determine the compression existing in a stream of air flowing through a pipe, by placing them at right angles to the direction of flow, were next tested. The object was to determine how far these tips were affected by induction. Two of the tips consisted of pieces of pipe, \$\frac{1}{2}\$ inch bore, and having external diameters of \$\frac{1}{2}\$ inch and \$\frac{1}{2}\$ inch bore, and having external diameters of \$\frac{1}{2}\$ inch and \$\frac{1}{2}\$ inch bore, and having external diameters of \$\frac{1}{2}\$ inch and \$\frac{1}{2}\$ inch except amount by a quantity equal to about 45 per cent. of the gauge-reading, which would represent the velocity of the air stream in question. The third side-tip had a plate 2 inches in diameter screwed to the end of the pipe, the edges of the plate being bevelled. The readings of this gauge were found to be correct, and it was used in all the experiments recorded in the paper. The tip-speeds used varied between 60 feet and 190 feet per second. A series of tests made to determine the efficiency of an apanding chimney was then recorded. Air was passed from a lan through a delivery tube into an expanding chimney, the sides of which could be set at any desired angle to the centre line of the tube. The efficiency for any angle was obtained by dividing the vacuum observed at the throat of the chimney, by the calculated vacuum due to the reduction of velocity of the air as it passed from the inlet to the outlet of the chimney. The results of the tests showed that the angle on each side might be as much as 15° without loss of efficiency. The air speed recommended at the chimney outlet was 20 feet per second, and the efficiency with this speed varied between 0.43 for 6° opening and 0.42 for 15° opening on each side.

#### TIN TICKETING.

HE fornightly ticketing for tin ores was held at Tabb's Hotel Redruth, on Tuesday. Result:—

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#### THE COMING COLORADO MINING BOOM.

(BY OUR OWN CORRESPONDENT.)

A S the new gold mining era in Colorado becomes increasingly realised in England, the following points are well worth consideration by possible English investors:—

At present public attention on both sides of the Atlantic seems

At present public attention on both sides of the Atlantic seems concentrated on Cripple Creek to the ignoring of the great merits and very encouraging developments in a number of other districts. Colorado is by no means dependent upon one mining camp. It is more than probable that during the coming year, in addition to the older and well-recognised districts which are experiencing increasing activity, several entirely new districts, not at present attracting much attention, will come to the front, and that some of them will rival Cripple Creek in the degree to which they attract prospectors, miners, and investors. The new camp of West Creek, about 40 miles north of Cripple Creek, opened up within the last few weeks, is said to have all the surface indications presented by

miners, and investors. The new camp of West Creek, about 40 miles north of Cripple Creek, opened up within the last few weeks, is said to have all the surface indications presented by its celebrated neighbour four years ago. Other alleged discoveries are reported almost daily from different points, which time and development work alone will test.

On December 1, the writer visited a new district not yet known to fame, and no mention of which has appeared in any Denver or Colorado paper. Yet it is within 35 miles of Deuver, the railroad passes through it, and the district has been travelled over for 30 years without any suspicion of its being rich in mineral. A few weeks ago a shrewd prospector, noticing the presence of phonolite, quartzite, birdseye porphyry, and other points of resemblance to Cripple Creek, took samples and made tests, with most encouraging results. Communicating with his principals, a number of claims were staked out, and a small party of business men from Denver visited the place. A sample of surface dirt on being panned in a tin dinner plate showed gold at the estimated rate of somewhere about \$50 per ton, and samples of outcropping rock roasted in a fire, made by the party in a deserted shanty, on being taken out showed spots of gold practically all over. The accessibility of the place can be realised when it is stated that the party left Denver at 8:30 a.m., and arrived back at 8 p.m., after spending six hours at the new district, where every claim staked is within half a mile from and several hundred feet above the railroad. More will probably be heard of this new district.

But to return to Cripple Creek, it is not yet ripe for ordinary

six hours at the new district, where every claim staked is within half a mile from and several hundred feet above the railroad. More will probably be heard of this new district.

But to return to Cripple Creek, it is not yet ripe for ordinary English methods for the following reason. English operators invariably prefer to purchase, for a comparatively large sum, a mine on its past record, and frequently on its ore reserves. The undue importance attached to the past output of a mine is obviously misleading. A mine has a certain life, and the greater the expired portion of such life, the less of it remains. There are mines in Colorado which have produced millions of dollars that are now not worth (say) a hundred thousand dollars, as they are practically sucked oranges. When some of the Cripple Creek mines have shown a continuous production of several years, evidenced by smelter returns and similar documents, and are to that extent exhausted, the owners will probably be ready to part with them to English operators, who will float them in Lendon at a price very much in excess of the vendors' price, and the final shareholders will eventually commence to make enquiries of a post-mortem character from reputable Colorado people as to the mine, and why it does not pay.

As to ore reserves, modern methods have largely revolutionised this phase of mining. Where it was oustomary formarly to proceed comparatively leisurely and keep development work well ahead of productive work, and so have a considerable amount of ore blocked out and in sight, it is now becoming common, by means of improved labour-saving appliances, &c., to take out the ore almost as fast as exposed, and so discense

common, by means of improved labour-saving appliances, &c, to take out the ore almost as fast as exposed, and so dispense with any appreciable quantity of ore reserves.

The American method is much more business-like and common sense than the English method in so far as the American looks for future rather than past record, risking a comparatively small amount of capital to ascertain the real value of the prosmall amount of capital to ascertain the real value of the property. The greatest producing and most profitable mines in Colorado to-day were acquired in this way, and belong either to private individuals, or syndicates, or close corporations, the stock of which is not listed on any exchange. Those people in the first instance took practically undeveloped properties in good districts, after the fullest investigation and professional advice, and at the minimum of expense developed such properties into richshipping mines. Such mines are naturally not for sale any more than the bank balances of the owners, but as time goes on, and the cream has been removed, the skimmed milk may be acquired by professional operators as a basis for stock transactions to the loss and temporary edification of a new crop of lambs, whose inevitable tendency will be to decry Colorado mines rather than London methods.

As a Denver paper recently pointed out, the feeling here is

mines rather than London methods.

As a Denver paper recently pointed out, the feeling here is against Eastern or European investors obtaining control or ownership of any paying gold or silver mine in Colorado. The people here want to see all our good mines owned by Colorado people, as a great majority of them are at present, while a goodly portion of the balance are owned elsewhere in America. Certainly the gold mines of Cripple Creek do not need and should not seek Eastern or foreign capital for their development. Many of the best of them have paid actually from the grass. should not seek Eastern or foreign capital for their development. Many of the best of them have paid actually from the grass roots, and lots of others will do the same. With home ownership the profits of mining remain in the State and add to its wealth, while with outside ownership the gains must go to strangers who have no interest in Colorado, and only want to make what they can out of our resources. Moreover, in the case of the sale of a Colorado mine to a professional promoter, the very liberal margin which usually occurs between the vendors' price and the price at which it is unloaded on the English public does not benefit Colorado one dollar, while the usual ultimate sequel injures the State. There is no local objection to outside investments in undeveloped mining property, and, as pointed out in the interview with Mr. Richard Pearce, the British Vice-Consul for Colorado, published in The Mining Journal of August 17, that is the most judicious way for English investors to approach Colorado mining. As an instance of what our own leading citizens are doing, a few days ago the writer was informed by an Englishman, resident in this State for 30 years, and more or loss engaged in mining during the whole of that ship the profits of mining remain in the State and add to its wealth, while with outside ownership the gains must go to strangers who have no interest in Colorado, and only want to make what they can out of our resources. Moreover, in the case of the sale of a Colorado mine to a professional promotor, the very liberal margin which usually occurs between the venidors' price and the price at which it is unloaded on the English public does not benefit Colorado one dollar, while the usual ultimate sequel injures the State. There is no local objection to outside investments in undeveloped mining property, and, as pointed out in the interview with Mr. Ri-hard Pearce, the British Vice-Consul for Colorado, published in The Mining Journal of August 17, that is the most judicious way for English investors to approach Colorado mining. As an instance of what our own leading citizens are doing, a few days ago the writer was informed by an Englishman, resident in this State for 30 years, and more or loss engaged in mining during the whole of that time, that so far this year he has furnished out of his own pocket at the rate of \$100 or £20 per day as his share of the expenses of several private development syndicates, and that locks for big r-turns next year.

Colorado last year produced gold to the amount of over £2,000,000; for 1895 it will exceed £3,000,000; for 1896 it will probably reach £5,000,000, and so on. During the next 12 months or two years fortunes will be made from the gold actually taken out of Colorado mines, and during the same time, in the aggregate, a very large sun, contributed by many thous ands of persons, will probably be absolutely lost by them, or practically dissipated through the means of either "wild cat" or over-capitalised companies.

The sooner English capitalists learn to distinguish between investing in mines and gambling in shares, and look for their wild cat" or over-capitalised companies.

returns from ore shipped, and not from stock manipulations, the sooner mining will be the conservative business transaction, which it ought always to be.

It is very possible that a successful attempt may be made by professional operators on your side of the Atlantic to supplement the "Kaffic circus" by a "Colorado sideshow"; but, whatever folly is committed in London, profitable mining by legitimate methods will continue in Colorado by Colorado people.

THOMAS TONGE.

#### MINING NOTES FROM JOHANNESBURG.

By H. BUSH, M.E.

NEW KLEINFONTEIN.

NEW KLEINFONTEIN.
On the eastern section of this property No. 1 incline shaft is being sunk and timbered at the rate of 7 feet per week. There will be large hoppers at the second level, and all the company's rock will be hauled from the shaft. Assays on the eastern section at the second level at the first winze on a reef of 3 feet give 18 dwts. 12 grains. On the western section of the mine, in consequence of the scarcity of native labour, no sinking is taking place. Assays have been obtained in the western drive of 11 dwts.

drive of 11 dwts.

CHIMES WEST.

The first incline shaft at the eastern drift is down 95 feet. The reef here is found 9 inches in width, and assays 30 dwts. In the west drift 316 feet have been got through. No. 2 incline shaft is down 190 feet. Drifting east has been done to the extent of 131 feet; drifting west 127 feet. In No. 1 vertical shaft drifting east totals 178 feet, and drifting west 260 feet. In the eastern drive the reef is found 2 feet in thickness and assays I awas 14 dwts. in the water drive the reef. ness, and assays 1 ounce 14 dwts.; in the western drive the reef is 3 feet wide, giving identical assays. In the surface winze the eastern drift gives 18 dwts.

the eastern drift gives 18 dwts.

NEW COMET.

In the south incline fifth level drifting amounts to 15 feet; in the west drive third level work totals 430 feet, and at the fourth level 451 feet. In the west drive at the second level 850 feet have been done. In the east drive at the same level the total is 734 feet, and at the first level 722 feet. Assays in the west drive at the fourth level, on a hanging-wall of 6 inches, come out at 6 ounces 10 dwts. At the west drive at the third level the reef is 7 wide, and assays 4 ounces 1 dwt.

DRIEFONTEIN CONSOLIDATED. On the Ramsay block drifting is now 285 feet from the shaft. The south incline shaft is down 181 feet, the north incline shaft 118 feet, and No. 2 north incline 158 feet. Assays, on a footwall of 18 inches, give 25 dwts.

The vertical shaft is now down 134 feet, and the main incline 50 feet. The temporary hauling engine for sinking this shaft has been erected, and a start has been made on the excavation for an 80 stamp mill. The reef on the Horsham pans 9 dwts., and the west reef averages 15 dwts.

Both incline shafts are now down 130 feet. Machinery is all on order. Completion of mining quarters and excavations for battery will be started this week.

BUFFELSDOORN. There is trouble in store for this company now they have run into the huge dyke that crosses their lowest levels.

GEORGE GOCH.

Struck the Main reef leader, averaging 7 inches in width, and 30 ownces to the ton. This mine is looking exceedingly well, and the shares are cheap.

OPHIR CONCESSIONS AND EXPLORATION COMPANY (LIMITED).

At the ordinary meeting, held at Cannon street Hotel, on Monday,

At the ordinary meeting, held at Cannon street Hotel, on Monday, Mr. W. O. Bobinson, in moving the adoption of the report, said they would see that the statement of accounts covered a period of 18 months. Some dissatisation had been expressed at the meeting not being held earlier, but this was in consequence of the absence in Australia of Mr. A. P. Mat eson, the late Chairman, who had now decided to remain there for a year. They had not gone to the expense of sending any expedition to the Mozambique district, had terminated their arrangement with Mr. Alford, and had since appointed Mr. John Watts, who had already secured them 200 claims, some of which he was now busily engaged in opening sp. The Gold Fields of Mozambique (Limited), in which this company had a large holding, were progressing very satisfactorily. Since Mr. Matheson had been in Australia—and his prolonged stay there was entirely unexpected—be had acquired for them the Emulator property in the Mensies district (West Australia), he himself taking up the option on their behalf as they had no funds, and it had been registered as the Consolidated Mensies Company (Limited) with a capital of £60,000, in 10s. shares. The lease acquired in the Mensies district adjoined the famous Friday reef, which they expected shortly to reach, when they would have a very valuable property. Another property at Kurnalpi had also been acquired for them by Mr. J. H. Hacket, a well-known mining engineer in West Australia. As Mr. Matheson has reeigned the Chairmanship on account of his engagements in Australia, and Mr. Moreiog, one of the nominees of the Companhia de Mozambique, had also vacated his seat, the number of directors available in London was reduced to two.—Mr. H. B. Greenwood seconded the adoption of the report, which was carried.

DIXIE GOLD MINING COMPANY (LIMITED).

Mr. W. P. Smith presided at Winchester House, on Monday, at the

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### MEETINGS OF MINING COMPANIES.

#### SHEBA GOLD MINING COMPANY, LIMITED.

THE 14th ordinary general meeting of the shareholders of the Sheba Gold Mining Company (Limited) was held on Toesday at Winchester House, Mr. WILLIAM GABLAND SOPER presiding, SECRETARY (Mr. J. E. Booth) read the notice conv

meeting.

The CHAIRMAN, in moving the adoption of the report and accounts, said he was sorry to again have to begin his speech to the shareholders by referring to the disastrous flood which occurred in the early part of this year. The effect of that flood had been two-fold—first as regarded the work, and next as regarded the administration. In the circular letter of June 7 the board said, "It is clear that the flood has caused an absolute capital loss of (say) \$256,000." If they referred to the entry in the plance-sheet they £35,000." If they referred to the entry in the balance-sheet they would see the figures were £39,722 10s. 9d. In making that estimate sorry he overlooked the fact that they should have off the depreciation the disused assets, which d to £4401 10s. Had he not overlooked that the estimate amounted to £4401 10s. Had he not overlooked that the estimate given by the board in June would have been more than the entry to the debit of the account in September. Still, he considered that the estimate made was reasonably close. (Hear, hear.) Turning to the question of the effect of the flood on the administration, he reminded the shareholders of what the board originally proposed, and what, after conference with the shareholders in June, they determined to adopt. As they were aware, they originally proposed of the property of the conference with the open's river and 60 stamps and they were running at the Ogen's river and 60 stamps. determined to adopt. As they were aware, they originally proposed 60 stamps, and they were running at the Queen's river, and 60 stamps at the mine. Had that arrangement been permitted, they should have had to-day running 120 stamps. Had not the board foreseen future possibilities by the erection of 60 stamps at the mine, he dreaded to the nk what might have been the effect on the large capital of their in portant company. The net result was that, as regarded the stamping power, they were just about to-day where they were before the flood; but as regarded other conditions, he thought they were in a stronger and in a much better position than they ever were before. (Applause.) Now, what was the mode of procedure which, after conference with the shareholders, they adopted? It was to utilise the disasters of the flood for the centralisation of the works at the mine. In the adoption of the policy there, of course, had followed the disaste of the aerial tramway, the battery site at the Queen's river, and, by implication, it had affected the value of the water rights at that particular spot. In the Memorandum which first accompanied the circular letter of June 7 the directors said that they estimated such disuse at £39,548, and they would see that y estimated such disuse at £39.548, and they would not propose y in their accounts was £41,323 10s. They did not propose that amount off those accounts, and for the reason that it the company had not felt account of a new policy. The company had not felt account of a new policy. was the inauguration of a new policy. The com the advantages which they believed would follow the advantages which they believed would rollow the hadgen of that new policy, and in consequence they proposed to sp that amount over four years, and so deal with it in manner of a suspense account. Of course, if any ook place, or if in the process of administration should have again utilised any of those disused as they would naturally be brought into an account, and be credited to they would naturally be prought and that account accordingly. Dealing with the balance-sheet, the only point on the debit side which it was necessary for him to specify was that the 10 per cent, debentures outstanding on October 1, 1894, had been cancelled for redemption and the substitution of 7 per cent.

[Applanae.] On the credit side they would see a large that the 10 per cent, dependent on and the substitution or a per been cancelled for redemption and the substitution or a per debentures. (Applanse.) On the credit side they would see a large item under the heading of mine development. It had been admitted on all hands that the development of the Sheba Mine and its adjacent properties had been behindhand, and it had been mutually agreed between the shareholders and the board that that mutually agreed between the shareholders and the board that would obtain the shareholders are smally as possible be remedied. They had been mutually agreed between the shareholders and the would obtain the shareholders. uld as promptly as possible be remedied. They had by it very strongly during the last year. They would they had spent £37,187. Now, last year town under that heading £16,000, so to development account stood in their books would ob the gross development account stood in their books at £53,167. Last year they wrote off £11,603, but this year they proposed to write off £13,167, bringing the net amount standing under the head of the mine development account to £40,000. The board hoped that from that capital expenditure the company would reap much advantage. They had also this year out of the capital account paid for the electrical transmission plant £29,813, the ground tramway £1086, the battery site £17,832, plant and reachinger £5403, and the heijding stands &c. £3440 hesides ground tramway £1086, the battery site £17,832, plant and machinery £5493, and the building stands, &c., £3440, besides other small i.ems. Although they had had to draw on the capital account to this extent, he was pleased to tell the shareholders that they had sufficient capital cash balance to enable them to deposit £20,000 at the baok for redemption of the debentures falling due in March. (Applause.) Referring to the profit and loss account, he admitted that the reading was not so pleasant as under the heading "Capital account." He would impress upon the shareholders—and he wanted them to realise—that there had been through the food a cessation of actual working for (say) four months, whilst they had only been able to work at the highest point with whilst they had only been able to work at the highest point with 50 stamps out of the 60 stamps which had been and were erected. In June he distinctly told them that the effect of that flood must be that the dividends would be nullified. He was sorry to see in some papers that the board was blamed, because he personally made that statement; but he always thought and hoped the shareholders would agree with him that it was the duty of the board when they saw clearly what was ahead, fully and frankly to state it to them ally made that saw clearly what was ahead, fully and frankly to state it to them for their guidance, however unpleasant that statement might be. (Applause.) The board might be reminded that at the June meeting mention was made of raising another £100,000 on debentures. The accounts clearly pointed out that they had not raised a single debenture. They might then say why did they mention in June the question of the possibility of raising £100,000 in debentures? Because at the time he mentioned it they were not aware that the whole of the 60 stamps would not have been in work within a few weeks of the time he was speaking to them. He reminded them that after leaving that meeting they went back to their board room, and began to carefully and closely consider the matter, and it occurred to them all that it might be desirable to utilise the capital cash that they had—not the shareholders' cash in the shape of revenue cash—in boying and shipping and laying down a the shape of revenue cash—in boying and shipping and laying down a rock-drill plant, which rock-drill plant should indicate on what additional points in the property it was desirable more fully to develop before they borrowed the capital for the more extensive development which they all contemplated. As regarded the electrical transmission plant, No. 2 L.X.L. battery, at the mine, he explained that in order not to expose that communication to explained that in order not to expose that communication to attacks from thunderstorms and lightning they dog a trench round the mountains to the Queen's river, a length of about 7 miles. They were satisfied now that the contractors, on the whole, had done their work well. The contractors had supplied two other motors their work well. The contractors had supplied two other motors which were now on the water, and he thought that as far as one could estimate the whole of the 60 stamps erected at the mine would be crushing early in February. He would also point out that with the existing plant there was a margin of electrical power, which was estimated to be sufficient to run 10 more stamps whenever the board thought it desirable to add them, which would make 70 stamps in all. There were 60 stamps still at the Queen's river, and he hoped some day or another they would recover their speech. There were 110 stamps which they bought from the Oriental Company, of which 60 were good stamps, and which had been erected at the L.X.L. Mine. They then bought 60 stamps in Carro de Pasco. There were 50 stamps of the Oriental out that with the existing plant there was a margin of cleering power, which was estimated to be sufficient to ren 10 more stamps whenever the board thought it desirable to add them, which would make 70 stamps in all. There were 60 stamps which they would recover their speech. There were 110 stamps which they bought from the Oriental Company, of which 60 were good stamps, and which had been erected at the L.X.L. Mine. They then bought 60 stamps in Cerro de Pasco. They then bought 60 stamps in the Cerro de Pasco (Appleby's the general manager was utilising to complete mine. It was more economical to use them than to be shipping

out anything that might be required for the repair of the existing aps at the mine. There were 10 other stamps from the Nil andum, which were sold and realised £400. He was told that Desperandum, which were sold and realised £400. He was told that some astonishment was expressed that a property so extensive as the Sheba should have only 60 stamps, and that there was some approhension that the reason might be that their water power was only equal to the driving of 60 stamps. He quite admitted that the Sheba ought to have more than 60 stamps crushing, and they would have had it had it not been for the unfortunate flood. It was not because thay did not because thay did not the same that they did not because they did not have sufficient water power that they did not have more stamps. From their Oriental water right there was deliverable at the mine 300 horse-power, and from their Fig Tree water right there was deliverable at the mine 140 horse-power, so that they had available 440 horse-power. The board, however, as he mentioned to them, deemed it desirable to lay down a rock drill plant so as to ensure that the development of the down a rock-drill plant so as to ensure that the development of the mine should be well ahead of the crushing of the ore. In fact, there was room for yet 20 stamps in addition to those they already had, so that they would see there was no deficiency of water power. so that they would see there was no deficiency of water power. Now an inquiry had been made why the reef said to have been struck in August last had not been made known to the shareholders, and his answer to that was because at that date no reef had been discovered. On August 16 a cablegram was published stating that the Sheba had struck a rich reef, and he immediately cabled out to the general manager asking if he had struck a rich body of ore. While waiting for his reply, another cable was published, stating that the Sheba strike added 30 per cent, to the value of the property, and that the stopes were looking exceedingly well, and that 60 stamps were running. Mr. Hill's answer to his cablegram was as follows:—"Have not struck any ore; quartz with free gold has been found at the back of the new mill; stopes looking splendid been found at the back of the new mill; stopes looking splendid No. 9 level. 50 stamps working satisfactorily." That cablegram had puzzled them, for they could not understand what he meant by free gold having been found at the back of the new mill. He would have liked to have had some explanation, but not having the time, and as the whole of the Sheba shareholders were somewhat interested, he felt time was important; he dictated a letter to the secretary, which was published, and which stated that, navito the cablegram that the Sheba Company had struck a which was published, and which stated that, having regard they wired to their general manager, and his reply was in the nega they wired to their general manager, and his reply was in the negative. He added that the stopes in No. 9 level were looking well, and that 50 stamps were working satisfactorily. In a letter from Mr. Hill, dated August 9, which they had received on September 2, they got an explanation of the cable-gram. In that letter the following passage occurred:—
"A day or two ago some rich float stone was found by two of the company's employés on the hillside south of the new mill and the L.X. L., No. 1 block." The Chairman reminded the shareholders that in cabling it was very difficult at times to express in a few words what was actually meant, and he thought Mr. Hill had made a very good shot in cabling home that quartz with free gold had been found at the back of the new mill, so that what they could not understand in Mr. Hill's cablegram was understood when they received his letter on September 2. He did not know, however, what float stone was, and he wrote to Mr. Hill for an explanation, what float stone was, and he wrote to Mr. Hill for an explanation, and learnt that float stone was some loose stone which had been broken off from the reef some time in the past. They received another letter on October 30 from Mr. Hill, dated October 4, in which he said that he had set prospectors at work to find where the float stone came from, and that by digging a trench he had now found the reef. That was the first time that the board had heard the word "reef" meaning of from the content meaning the stone of the sto mentioned from the general manager. Even at that date it was an uncertain factor, for he wrote that at present they had not been able to decide whether the reef was permanent or not, but that it had been opened for about 30 feet on the surface. On November 30, however, they had a cable from the general manager stating that the mill reef was exposed underground 2 feet in thickness, carrying 10 dwts. per ton. That cable was received in London late on a Saturday afternoon (November 30), was posted to the Sheba share-holders on the following Monday, and was published in the papers on Tuesday morning. He hoped he had not been trespassing noiders on the following alonday, and was published in the papers on Tuesday morning. He hoped he had not been trespassing upon the shareholders too long, but he considered that explanation was necessary considering the nasty inquedoes that had been made by some of the papers, who had indirectly charged the directors with withholding valuable information. It gave the board very great satisfaction to be able to inform them that never in the company's history were their prospects more promising than they were that day. They had got the low level tunnel well in, which enabled them to deal profitably with 10 dwts, ore; they had development to an extent they had not seen for at least four or five years, and they had two reefs—the reef on the L.X.L. block, and that at the No. 5 level—a reef 5 feet in width. But what gave them the greatest encouragement was the fact that the Sheba was developing in depth, and the lower they went down the greater was the quantity of ore, and the richer seemed to be its quality. In conclusion, the Chairman said he felt they were turning over a new leaf, and it would not be for want of their earnest work and attention, and certainly it was in harmony with their highest and best richer to over the new rest here forward and in the future is such wishes, to open that new reef henceforward and in the future in such a way that there should never be omitted that word which was dear to every shareholder—the word dividend. (Applause.) He then formally moved that the report of the directors and the statement te be received and adopted.

Mr. ARTHUR CHAMBERS seconded the motion, which, after

ssion, was carried,

The retiring directors, the Hon. H. A. Lawrence, Captain W. M. Lister, and Mr. W. G. Soper, and the auditors—Messrs. Deloitte, Dever, Griffiths and Co.—having been re-elected, a vote of thanks to the Chairman terminated the proceedings.

#### LOMA GOLD MINES, LIMITED.

The fourth ordinary general meeting of the Loma Gold Mines (Limited) was held on Wednesday, at Winchester House, under the presidency of Mr. H. S. SANKEY.

The SECRETARY (Mr. H. Parker Creasey) having read the notice

The SECRETARY (Mr. H. Farker Creaser) having read the motion convening the meeting,
The Chairman, in moving the adoption of the report and accounts, expressed the regret of the directors that the balance-sheet did not show a profit. Those shareholders, however, who had followed the course of affairs in Colombia knew that the country had passed through a revolution during the past year, the effects of which caused the mine to be practically idle for at least six months. Unfortunately, in January a heavy slip occurred in the ditch, and in that portion of the ditch which was next to the main road. It was found impossible to send men next to the main road. It was found impossible to send men to repair it, because directly they made their appearance on the main road they were impressed by the Colombian Government for soldiers and carried off; in fact, in the district around the com-pany's mines no less than 300 men were thus taken off. Then, again, such a drought as they experienced had not taken place they. such a drought as they experienced had not taken place there for 19 years, and that had taken away their water to a large extent. He was sorry to begin with two excuses of this kind, but, fortunately, a

of the Loma Company. They had at last, he (she Chairman) believed, turned the corner. He admitted that they had been a long time getting through their preliminary work. When he and his colleagues undertook the management of affairs they did not anticipate it would take so long to bring the water on. The original report of Mr. Welton specified a very much shorter time, and gave them an idea it would be a very much easier task than it had proved. They had 21 miles of ditch, but Mr. Griffith had just been able to reduce that length by 3 miles by doing away with some of the high bridges which had decayed with age, and by patting in syphons and using some piping which was not required for other purposes. They thus had a ditch 18 miles long—a costly affair, no doubt, to look after; but he believed it was the only way that water could have been brought to the mine on this Tablazo ridge, and he was of opinion they had made a fairly sound job of it. The Tab'axo Mine, unfortunately, did not turn out so well as Mr. Prender anticipated; he buoyed up all their hopes in respect to it, but when they got into it they found such an amount of dirt boulders, &c., that they got very little ont of it, and it was not until they got well into the Soto Mine, of the Loma Company. They had at last, he (the Chairman) believed, turned the corner. He admitted that they had been a all their hopes in respect to it, but when they got into it they found such an amount of dirt boulders, &c., that they got very little out of it, and it was not until they got well into the Soto Mine, ont of it, and it was not until they got well into the Soto Mine, which they were now working, that they were able to show any good result. The previous cablegram to the one he had mentioned was highly satisfactory. He should, perhaps, tell them that although Mr. Griffith arrived in Colombia in December last year, owing to the revolution and other causes, he was not able to take possession of the mine until April 5, and, having regard to the drought, the return he had made covered only about four months. With the last cablegram the return came to about £900, which, being male in four months, he thought everybody would say was a great improvement. The board had hoped that the last cablegram would be better than the previous one, which for a run of 900 hours gare \$1900, yielding a profit of about £200. He believed that was the \$1900, yielding a profit of about £200. He believed that was the first profit the company had ever made. They had male returns before, but, owing to the expenditure on the ditch and other matters, he did not think they had been able to show a profit in any previous month. The last cablegram showed the last run to be only 335 hours, owing to the continued drought. His hope had been, and he knew that Mr. Griffith's had also, that the drought would have ended, and that on the present occasion there would have been a really good cable to lay before the shareholders. But in that they had been disappointed. With regard to the accounts, it would be seen the board had carried out the behest of the shareholders at the previous meeting, and had forfeited the of the shareholders at the previous meeting, and had forfsited the shares of those holders who were in arrears. They had forfsited no less than 23,476 shares, and the result was that the share capital now stood at £276,524 in tead of £300,000. The amount against now stood at £276,524 in-tend of £300,000. The amount against sundry creditors was chiefly due to Mr. Powles, who had advanced them working capital for the mine. Unfortunately, they had no working capital, and practically that sum represented their liabilities. On the other side the cash and other balances pretty well balanced their liabilities, but the calls unpaid—which wen not wholly a good asset—and the sum due from Mr. Welton £4238s. 8d. being taken into account it would be noticed that the com pany owed practically £500 or £600 more than they were able to pay They had done their best to get that £423 from Mr. Welton, but had done their best to get that £423 from Mr. Welton, but was not able to do so in Colombia, so for the present it was in available asset. When Mr. Welton returned to England the not an available asset. board would do their best to recover the money for the company. The fact of their owing the sum to which he had alleded had caused the board to suggest that the time had now arrived when they could recommend that the affairs of the company should be put on a sound financial basis. The directors had been asked at former meetings whether they did not see their way to reconstruc', but until now they had not done so, as they had not been absolutely certain that the mine was going to pay. Now, ho wever, it was clear, from what Mr. Griffith wrote, and from the returns, as well as from the fact of the capital expenditure apparently being finished, that the time had come when the directors could conscientiously represent to the shareholders that some more money might be found for the mine, and one of the great reasons for recommending some such scheme as that would be that they would get rid of their bloated capital, which appeared in the balance-sheet. The mines' purchase account stood at nearly a quarter of a million, but he did not think any accountant who went the mines. The mines was with their water amone, which over them to value the mines - even with their water supply, which was valuable, because it commanded all the mines on the ridgewas valuable, because it commanded all the mines on the ridge—
would certify that their mines and property were worth that. They
knew how the sum was arrived at. It was arrived at by paying the
vendor some years ago a very large number of partly paid-up
shares, which were sold by him for what he could get, and really
the company had never had more than 3s. 61. on the shares that
had been paid. They would all be very glad if they could get rid
of that item on the balance-sheet, and the directors would like to or that item on the Sakace-sheer, and the directors would he to reduce the capital account to something which was reasonable. He did not think they could ever hope to pay a good dividend on anything like a quarter of a miltion, but there seemed a possibility, and he hoped a probability, of paying a decent dividend on a fourth of that capital, and no doubt their shares would considerably appreciate in value if they could do so. A distribution of 2 or 3 per can, however, on the present shares would distribution of 2 or 3 per cent., however, on the present shares would do them no good at all. If they could cat down the capital to a sem which would fairly represent their assets, he saw a very good probability of paying a dividend at no very distant date. Mr. Griffith strongly recommended them to take up another mine, called the Esperanza, adjoining the company's property. If they chose they could take that mine on lease, without any payment except by they could take that mine on lease, without any payment except by way of reyalty. There was no doubt, however, it would want mounting, but this would not be a costly affair, and would, he thought, be covered by some £2000. They could mount that mine while they were working the Soto. If they were to take up that mine, and possibly others in the district afterwards, they would want some working capital. They wanted first of all money to mount the mine, then a little working capital, and also enough to pay off their few liabilities. The board, therefore, seggested that the company should be reconstructed on some such basis as this—that the shares should be for each instead of £1, with 3s. 6d, paid up and a liability of 1s. 6d., 6d. of which would be sufficient for the purposes of the company; the remaining Is would probably never be wanted, and would only be called up to meet capital expenditure which would yield a profit. In that way the burden on each shareholder would be very light. He was of opinion that the mine would do a good deal more now than it hal done in the past. Every run should make a profit—at least Mr. done in the past. Every run should make a profit—at least Mr. Griffith said so, and he was a man of very great experience. Mr. Griffith was an engineer of considerable attainments, and was bighly respected in Colombia, and he had nothing to look after there except this mine and the Gravel Gold Mine. Of course, nothing could be done on the present occasion in the direction of recognituding, but the board felt it would be well for the matter to be placed before them. (Applause.) He knew from letters received from shareholders themselves that it was their wish that the company's capital should be out down to a reasonable figure, and he thought that 6d. a share, which would meet all their present wants, would be very willingly contributed.

The resolution was seconded by Mr. E. J. Tabor, and carried em com., after a brief discussion.

In the course of some farther discussion which ensued, Mr. Ennest

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Mesers. H. S. Sankey and W. E. Lambert, the retiring directors, and Mr. E. A. Harvey, the auditor, were reappointed, and a vote of thanks to the Chairman and directors closed the meeting.

#### CARRINGTON GOLD MINING COMPANY, LIMITED.

The fourth ordinary general meeting of shareholders in the Caragton Gold Mining Company (Limited) was held at Winchester

CARRINGIUN GULD MINING CUMPANY, LIMITED.

The fourth ordinary general meeting of shareholders in the Carington Gold Missing Company (Limited) was held at Winchester (1988). State of the Carington Gold Missing Company (Limited) was held at Winchester (1988). The care of the company of the co

#### RAVENSCLIFF MINING COMPANY, LIMITED.

An ordinary general meeting of shareholders in the Ravenscliff lining Company (Limited) was held on Monday, at the offices of the company, Winchester House, the chair being occupied by Mr. THE BECRETARY (Mr. F. W. Turner) read the notice convening the

The CHAIRMAN said: Gentlemen-The report will have kept you and which is proved to be traversed by the Great Boulder lode. It private cables recently received are correct, stone has already been struck on this property as rich as any hitherto found by the Great Boulder lode. It private cables recently received are correct, stone has already been struck on this property as rich as any hitherto found by the Great Boulder Company as rich as any hitherto found by the Great Boulder Company as rich as any hitherto found by the Great Boulder Company as rich as any hitherto found by the Great Boulder Company as rich as any hitherto found by the Great Boulder Company as rich as any hitherto found by the Great Boulder Company as rich as any hitherto found by the Great Boulder Lode and which is proved to be traversed by the Great Boulder lode. It private cables recently received are correct, stone has already been struck on this property as rich as any hitherto found by the Great Boulder lode. It private cables recently received are correct, stone has already been struck on this property as rich as any hitherto found by the Great Boulder lode. It private cables recently received are correct, stone has already been struck on this property as rich as any hitherto found by the Great Boulder lode. It private cables recently received are correct, stone has already been struck on this property as rich as any hitherto found by the Great Boulder lode. It private cables recently received are correct, stone has already been struck on this property as rich as any hitherto found by the Great Boulder lode. It private cables recently received are correct, stone has already been struck on this property as rich as any hitherto found by the Great Boulder lode. It private cables recently received are correct, stone has already been struck on this property as rich as any hitherto found by the Great Boulder lode. It private cables recently received are correct, stone has already been struck on this property as rich as any hitherto found by the Great Boulder lode. It private cables recently received a

plan not turn out successfully, there is nothing for us but to wind up. I may say that the board have done their very utmost to get together the required funds, even to the extent of contributing largely themselves, and have abstained from pressing whom are members of the board, might have wound up the company and taken over the whole concern themselves. They have, however, wished to keep good faith with the shareholders and to share with them any success which may be achieved by the mine. The Chairman concluded by moving the adoption of the report and accounts.

Mr. R. B. OTTLEY seconded the motion, which was carried unanimously.

On the motion of the CHAIRMAN, the retiring directors, Mr. A. H.

On the motion of the CHAIRMAN, the retiring directors, Mr. A. H. Boulton and Mr. R. B. Ottley, were unanimously re-elected; and the auditor, Mr. James Hayward Mackay, reappointed.
Mr. GEORGE BROWN: What is the amount of the debentures?
The SECRETARY: The original debenture issue was £5000, all of which was subscribed and paid up, and recently the debenture bolders consented to an extension of the security to a further £1000, when the first which has been subscribed.

about half of which has been subscribed.

Mr. George Brown: I suppose the assets will not realise that?

The Secretary: It is not very likely that they would under an

The Secretary: It is not very likely that they would under an absolute winding-up,
Mr. George Brown: Then I think the tribute working is the best thing we could do.
The Secretary: If the tribute working should succeed we should be able to come before the shareholders with an arrangement founded upon another basis. No doubt Mr. Logan, who has behaved in a very excellent way all through, would be willing to meet the shareholders, and make terms with them for a favourable reconstruction of the company, so that if he succeeds we shall be put into an entirely different position to that in which we now stand.
A vote of thanks to the Chairman terminated the proceedings.

#### ANGLO-AMERICAN EXPLORATION COMPANY OF WESTERN AUSTRALIA, LIMITED.

The first ordinary (statutory) general meeting of shareholders in the Anglo-American Exploration Company of Western Australia (Limited) was held on Monday, at the offices, 3, Princes-street, E.C., under the presidency of Mr. W. F. Orriss (the Chairman of the

The SECRETARY (Mr. E. Fairweather) read the notice convening

e meeting.
The CHAIRMAN said: Gentlemen—This is, as you are aware, the statutory meeting of this company, which gives the directors the opportunity of meeting the shareholders, and explaining to them the position of the company, and the lines upon which it is intended to carry it on. I hope to be able to satisfy you that in joining this opportunity of meeting the shareholders, and explaining to them the position of the company, and the lines upon which it is intended to carry it on. I hope to be able to satisfy you that in joining this company you have embarked in an enterprise which will result satisfactorily to you as shareholders, and also to the directors as your acting representatives. This company was registered on August 26 last, and the directors went to allotment with the whole capital subscribed. We have been fortunate in securing as mining engineer to this company Mr. Reuben Rickard, of Berkeley, California, whose is a man of large experience, and has gained a considerable reputation in America. We feel that in having secured his exclusive services, this company will be represented by a thoroughly capable and reliable man on the gold fields. Mr. Reuben Rickard came to England to discuss with the directors the lines on which it was suggested the company should be worked, and then returned to Berkeley, of which place he was Mayor at the time, to finally arrange his affairs, and to engage the services of Mr. Harvey Pridham, of whom he spoke most highly, to accempany him as assistant mining engineer, and we expect to hear of the safe arrival of these gentlemen at Perth within the next few days. Having secured the services of Mr. Rickard as our engineer, we approached the directors of the West Australian Venture Syndicate (Limited), and the other exploration companies associated with it, to ascertain their views as to admitting another company to join their group, and I am pleased to be able to say that a reciprocal working arrangement has been entered into, under which this company has the right to share equally with the West Australian Venture Syndicate (Limited), the Anglo-German Exploration Company of Western Australia(Limited), and the Anglo-French Exploration Company of Western Australia Limited) and the Anglo-French Exploration Company of Western Australia (Limited) and the Anglo-French Exploration Company to work and contributing out of place to make some reference to the results already achieved by the four companies referred to, with whose future operations this company is now associated. The Western Australian Venture Synby the four companies referred to, with whose future operations this company is now associated. The Western Australian Venture Syndicate (Limited), founded in February last, has returned to its shareholders in dividends the entire paid-up caoital. The West Australian Mines Development Syndicate (Limited), founded in April 1ast, has also done the same; while the Anglo-German and Anglo-French Exploration Companies have paid dividends at the rate of over 100 percent, per annum, with considerable sums in band for further distribution. Mr. C. C. Macklin, who is present to day, a solicitor, formerly in practice for some years in Ferth, and who had acquired many valuable connections in the colony, besides a thorough knowledge of all legal matters connected with the transfer and the tenure of land, and the mining regulations, together with Mr. George Seymour, of Messrs. Bainbridge, Seymour, and Co., and Mr. Farman, an energetic and capable mining engineer and prospector, arrived in the colony in April on behalf of the Venture Company, when active operations commenced. Mr. Seymour and Mr. Farman first proceeded to make a general survey of the gold fields, and when they arrived at White Feather were so struck with the extraordinary richness and prospects of the MacManus Cement leases that they insisted on the great importance of purchasing the property. This purchase we have had no cause to regret, as the property so acquired is that now in the hands of the Golden Cement Claims (Limited), and the opinion of Mr. Seymour and Mr. Ferman has since been confirmed by other loading experts who believe that it is likely to prove one of the mast valuable properties on that gold field. So impressed The CHAIRMAN said: Gentlemen—The report will have kept you will informed as to the progress from time to time of affairs in constitution with our company, and I have very little to add to it. I may be that good ore has been proved to exist in the mine, was of a very rich character. Some portions of the ore contain fille gold, and others a good deal. You are aware from the report leave you that some of the ore raised contained as much as 34 to the ton. The MacArthur-Forrest process, which we extend would remedy the difficulties we laboured under in our first thempts, has proved, in regard to our ore, a failure. Had we had allevial to go on with our operations, we should have had affected the plan that has been submitted to you. In the history if gold mines it is very common to find the first one or two trainings result unsatisfactorily, and we ought not to be discussed because our early attempts have not, so far, been successful. We know that on both sides of it. I have here a letter from lake is situate, ore exists, and a considerable amount of alluvial workings on the other side of the range at Mahakipawa lake manager, in which he says:—"It may interest you to hear, as a been taken over by the Great Boulder South Extended, which is proved to be traversed by the Great Boulder South Extended, which has been proved on both sides of it. I have here a letter from the widence of the gold-bearing nature of the district, that two of a sevidence of the gold-bearing nature of the district, that two of a sevidence of the gold-bearing nature of the district, that two of a sevidence of the gold-bearing nature of the district, that two of a sevidence of the gold-bearing nature of the district, that two of a sevidence of the gold-bearing nature of the district, that two of a sevidence of the gold-bearing nature of the district, that two of a sevidence of the gold-bearing nature of the district, that two of a sevidence of the gold-bearing nature of the district, that two of the sallowing company. In the control of the gold be

recently offered an opportunity of acquiring an interest on most advantageous terms, in addition to the share to which it was entitled, in such of the leases as were acquired after its incorporation. This offer we were glad to accept. The company is, therefore, now interested in the following properties, all of which have been well rested in the following properties, all of which have been well selected, and, in our opinion, acquired on most desirable terms, namely:—(1) An interest in the 15 cement leases at White Feather, representing an area of more than 500 acres. (3) An interest in the Crossa Consols and Good Luck properties at Hannan's. These two leases, being close together, will be dealt with as one property. The former has one of the best positions at Hannan's, immediately adjoining and being traversed by the Victory reef, better known as Block 45. This property belongs to an Australian company, and has made quite a sensation in the colony. (4) An interest in the leases in Nos. 75, 76, and 518 at Yalgoo, from which stone of great richness has been raised. This property was acquired in October last, and within a week the Venture Syndicate were offered £7000 profit in cash for their bargain. (5) An interest in the Roaring Gimlet and other leases at 90-Mile, of which Mr. Seymour has formed the highest opinion, and which have only been secured after some months of negotiation. (6) An interest in the Greenhills South, in the neighbourhood of Coolgardie, recently acquired upon the strong advice of Mr. Seymour, detailed particulars of which have not yet reached us. In addition to these interests in properties, this company is participating in the floatation of Block 500 fthe Hampton Plains Batate Company (Limited), which promises to turn out one of the best blocks upon the estate, and which transaction should result in a handsome return to this company on the small amount required for the operation. The interests the sacquired for this company have for the most part been paid for, the greater number of the pro

had said, but he would be glad to answer any questions that might be put to him.

Mr. CHAMBERS asked Mr. Macklin to what depth shafts had been sunk on the cement properties in the White Feather district?

Mr. MACKLIN replied that the lowest depth to which cement had been taken out at the White Feather was 30 feet, but they were not through it not.

Mr. POPKISS moved, and Dr. BRADLEY seconded, a cordial vote of thanks to the Chairman and directors, which was carried unani-

mously.

The CHAIEMAN, in reply, said the information he had been able to lay before the meeting was of a distinctly satisfactory character, and there was every reason to hope that when they again met the expectations of a successful future, which they now entertained, would have been realised. (Applause.)

The proceedings then terminated.

#### THE GOLDEN GATE GOLD MINING COMPANY, LIMITED.

The annual general meeting of shareholders in the Golden Gate Gold Mining Company (Limited) was held on Tuesday, at Win-chester House, the chair being occupied by Mr. SINGLAIR

The SECRETARY (Mr. Charles C. Rawson) read the notice con-

chester House, the chair being occupied by Mr. SINGLAIR MACLEAY.

The SECRETARY (Mr. Charles C. Rawson) read the notice convening the meeting.

The CHAIRMAN, in moving the adoption of the report and accounts, said that the accounts showed a considerable reduction upon those of the previous year. The expenses at Charters Towers were £798, as against £2809 in the previous year, while those in London were £671 against £933. The diamond drill was continued by the expressed wish of the shareholders to a depth of 2000 feet. When this depth was reached the prospects were considered so favourable by Mr. Plant and other mining experts on the field that the Government offered to pay one-half of the cost of sinking a further 1000 feet if necessary, and as the adjoining mineowners agreed to pay a further 25 per cent, towards the continuation of the work the directors decided to proceed. The cost of boring up to that time had been about 21s. I per foot; the expense to the company would, therefore, mean a further sum of £250 or £260, which the directors felt justified in laying out in the hopes that something in the shape of a good payable reef might be met with. Altogether, something like £4000 has been spent on the boring, and reports were always being received to the effect that they were just on the point of getting the reef, which was, in fact, the tenour of the latest which had come to hand. The manager cabled yesterday as follows:—"The present depth of the diamond drill bore from surface is 2750 feet. Appearances are favourable. Recommend you to continue to 3000 feet. There are 16 men working on tribute, but they are doing very little. In the adjacent mines the deep workings promise well." Whether it was advisable to proceed further with the boring or not, it was now the fact that the company had not sufficient money for the purpose. The ground or country rock passed through for the past 700 or 800 feet had been all more or less favourable for carrying a reef, and it was quite possible that they might have passed with joining properties, and as they had every reason to believe that gold in payable quantities existed in the deeper ground, below the company's present workings, they deemed it advisable to lose no company's present workings, they deemed it advisable to lose no further time, and to spend no more money on the diamond drill bore, but to consult with the directors of the other mines, who might be willing to join, and form a new company with a sufficient amount of working capital to enable them to bring the concern to a successful issue. Mr. Miles, who had recently been out to Charters Towers, expressed a favouable opinion as to the proposed amalgamation, and the opinion of practical men on the field appeared to be that there were several reefs to be picked up in the neighbourhood of the property, and that if a group of these mines could be amalgamated on favourable terms that it would be a great success. In conclusion, be could only express his own view that this course would be a highly advantageous one for the company to adopt.

Mr. CLIPPERTON seconded the motion for the adoption of the report and accounts.

Mr. LEWIS: Has this company been reconstructed before?

report and accounts.

Mr. LEWIS: Has this company been reconstructed before?

The CHAIRMAN: No. sir. Continuing, in reply to further ques-one, the Cantranan said that the lease had 17 mere years to run, that there would be no difficulty about its continuance.

of our engineers, a most complete and ample plant for dealing with the ore, having regard to the special difficul-ties against which we shall have to contend. If there are any but that there would be no difficulty about its continuance

og been re-elected, The motion was then put and carried unanimously.

The retiring director, Mr. J. H. Clarke, having been re-elected, and the auditor, Mr. Hercules Nicol, reappointed, the proceedings terminated with a vote of thanks to the Chairman.

## THE SUNBURST GOLD MINING COMPANY,

The third ordinary general meeting of shareholders in the Sunburst Gold Mining Company (Limited) was held on Tuesday, at Winchester House, Mr. SINCLAIR MACLEAY presiding.

The SECRETARY (Mr. C. Rawson) read the notice convening the

eeting.
The CHAIRMAN said: Gentlemen—The directors' report speak,
timelf, and the mine manager's report has been printed in detail The CHAIRMAN said: Gentlemen—The directors' report speaks for itself, and the mine manager's report has been printed in detail, so that you have got the whole position before you, and I will not take up your time by dilating upon it. I may, however, specially call your attention to the paragraph in the report in which it is stated that the driving from No. 1 East Sunburst Company's ground has made some progress, and that the prospects in that direction are very favourable for a reef. As many of you are aware, the diamond drill bore in the Golden Gate Mine has been sunk to a distance of 2600 feet, and is said to be in very favourable country. I do not want to dwell too much upon that at this moment, because I am personally against the sinking of a diamond drill bore; but it is evident that if that company does get on a good reef, the value of your own property will been ormously enhanced. As representing this company, I may say that we may look forward, if we can get funds to carry on the work, to hitting on something good there, which will be favourable for this company. As regards the expenditure in the accounts, I may say that this has been considerably reduced since we last met. Last year the London expenses were £738 15s. 9d., against £689 8s. 9d. this year; while at Charters Towers the expenses last year were £1190 19s. 5d., against £389 1s 10d. this year. This, I think, is very satifactory. In addition to that I may point out that the share-helder's valenters appaced the second of the company of the charters to be a superior out that the share-helder's valenters appaced to the last were care \$629 12s. addition to that I may point out the the the share-helder's valenters appaced the company of the share-helder's valenters appaced to the company of the comp £1190 19s. 5d., against £889 1s 10d. this year. This, I think, is very sati-factory. In addition to that I may point out that the share-holders' voluntary subscriptions, which last year were £932 13s, 2d., have now been reduced, as the accounts will show you, to £194 18s. 9d., and I am glad to say that since September 30 one-half of that amount has been paid off as well. In last year's account there was a balance due to the bank in Queensland of £1154 11s. 9d., and that has been entirely wiped out this year, so that, taking the accounts altogether, I thick you will say that they are also very satisfactory in that direction. Work has been carried on during the year as well as our funds would permit, but the directors were obliged to let parts of the mine on tribute. The tribute parties' crashings are given in the report, and the latest cable, received yesterday, states: "There are seven men now working on tribute, and they have crashed during the past week 45 tons, yielding 2 ounces per ton." This shows what the stone of this company is. A final call has been made of 3d., on the shares of the company payable at the end of this month. That should bring in about £900, We are very sorry to have to make this call, but you will understand the reason of it, and I am That should bring in about £900. We are very sorry to have to make this call, but you will understand the reason of it, and I am bound to say that if the shareholders as a body had supported their directors, we should not have had to make it. I am, however, in take up the shares they are entitled to—we shall be able to bring the concern through. The Chairman concluded by moving the adoption of the report and accounts.

adoption of the report and accounts,

Mr. CLIPPERTON seconded the motion.

Mr. BAKER explained that during the past year the directors had bad certain liabilities to meet, and had furthermore been paying back to the shareholders the amounts of their voluntary subscriptions, as well as what was due with the bank in Queensland. The wisest policy, he considered, would be to raise some fresh capital and take the mine out of the hands of the tributors. It was cerand take the mine out of the hands of the tributors. It was cer-tainly the fact that the tributors out in Queensland were sufficiently satisfied with the mines to undertake a good deal of dead work to get at the gold. The liabilities on the mine were not heavy, he should like to see some fresh capital raised, so that Mr at, who had been associated with so many successful mines ht have an opportunity of seeing what he could do with theirs

The CHAIRMAN said he thought that the group of mines situated near their own property would, if they were worked under one management, be operated much more economically, and if the shareholders left the matter to the board they would certainly do the best for them.

The motion for the adoption of the report and accounts was then

put and carried enanimously.

The Chairman having been re-elected to the board, and the auditor reappointed, the proceedings terminated in the usual

#### ECLIPSE GOLD MINING COMPANY, LIMITED.

The first general (or statutory) meeting of shareholders in the Eclipse Gold Mining Company (Limited) was held on Wednesday, at Winchester House, the chair being occapied by Mr. SCOTT-LING, M.P. The SECRETARY (Mr. Bobert Warner) read the notice convening

The CHAIRMAN said: Gentlemen—I have noticed on many occa-ons on the part of Chairmen announcing the fact that a statutory The CHAIRMAN said: Gentlemen—I have noticed on many occasions on the part of Chairmen announcing the fact that a statutory meeting is being held an apologetic note in their opening remarks, conveying the impression that if it were not law, perhaps the meetings is question would not have been held. I may say, however, on this occasion quite frankly that your directors approach you to-day, having convened this meeting at the earliest possible date, with a view of laying before you fully and frankly the position of your company. I propose to deal very briefly with the facts that are before us, and to explain to you what has been done both financially and in reference to the machinery, and also to give you some indications of the prospects that we have before us in the working of your concern. Now, it will be within your recollection that we went to allotment on October 26, and all the shares of this company are allotted with the exception of 4500, which are reserved by the company to be dealt with at the discretion of the directors, with the object of providing for working capital if found necessary. Already we have what is considered an ample working capital for the acreage that we have under our centrol, and we enter upon our undertaking with the satisfactory knowledge that we have behind us sufficient each to develop fully your property. (Hear, hear.) The transfer of the proratisfactory knowledge that we have behind us sufficient cash to develop fully your property. (Hear, bear.) The transfer of the property was completed on November 28. On that day we received from our agents in Western Australia the following telegram:

"Eclipse Company's titles are all right. Transfer of the mine of the company's company's titles are all right. "Eclipse Company's titles are all right. Transfer of the mine effected." There was comparatively very little delay in obtaining the transfers, and these are all clear and complete, and I understand that the necessary deeds and documents are deposited in safe custody. Owing to the fact that there has been that small delay we find ourselves in a very fortunate position in one respect. delay we find ourselves in a very fortunate position in one respect. We are able to announce to you to-day that we shall not require the final cail of 5s, per share to be paid on the date indicated in the prospects—viz., January 25, and we propose to send out a circular to every shareholder to announce the fact that the payment of that call will not be due until March 1, 1896. There is a certain amount of satisfaction in finding ourselves in that position, and it is a proof that we have ample funds in hand for the present purposes of the company. (Hear, hear.) The next point I would like to draw your attention to is the machinery, and you are all aware that Messrs. F. Bowes-Scott are appointed resident engineers to the company in Australia, and we have the advantage of information conveyed from them as to the character of machinery suitable for the district, having regard to the scarcity of water which undonstedly obtains a that country. We have ordered, with the approval

ties against which we shall have to contend. If there are any questions arising upon this matter, of course we shall be very glad to give definite information, but in the meantime I think it suffices for me to make that announcement to you. Then the next point to which I would draw your attention is as to the prospects we are justified in hoping for in regard to the out-turn of our work, and we have the advantage of having before us a detailed report from Mr. F. Bowes-Scott, supplementing and confirming his cable report, which was inserted in the prospectus of the company at issue. That report is, generally speaking, of a most favourable and satisfactory nature, and a copy of it lies in the office, and is at the disposal for inspection of any member of the company. We have also later news than that. In view of this meeting, we communicated with our agents resident on the property by cable, and we have received from them the following reply, dated Coolgardie, the 16th of this month:—"The prospects are uncable, and we have received from them the following reply, dated Coolgardie, the 16th of this month:—"The prospects are undoubtedly good. Have commenced main shaft. Erecting buildings, when we shall push ahead with work." That is the latest information we have, and your board can only look upon it with a good deal of satisfaction, as being confirmatory of such reports as they have received before. There are other and independent reports which your board have received, to which I will make no detailed reference, but which are couched in similarly satisfactory terms, and we may take it that we have in charge, as trustees, for your benefit a property which is capable of being developed in a satisfactory and lucrative manner. (Hear, hear,) There is one point in reference to the machinery to which I ought to have directed your attention. and lucrative manner. (Hear, hear,) There is one point in reference to the machinery to which I ought to have directed your attention. That is, that we made provision for the early delivery of the plant, and have been informed by the engineers who are building it that they expect to ship it approximately in the middle of next month. The railway, we understand, is being pushed forward up to our immediate vicinity very rapidly, and by that means transit is very much facilitated, so that although, with the uncertainties and delays that the start of which may arise in that far distant country, we cannot specifically state what time we shall get to work, I think we may say, without fear of being thought toe optimistic, that we shall get to work much more quickly than most of the mines in that district have been able to do. It is not we prepare to details you have a real level of the files. to do. It is not my purpose to detain you for any length of time this morning. I do not know whether the smallness of the attendance may be taken as a compliment to the board, but in any case we intend to take it as such, and I can only say that, so far as I and my colleagues are concerned, we intend to devote our energies to making this company a success, and shall do all that lies in our power, both as business men and experts, to further your interests, so that we may be able, I trust, to present you with handsome

o that we may be able, I trust, to present you wish handsome lividends. (Applause.) Mr. Rivington, in moving a vote of thanks to the Chairman and directors, said that if they might judge from the very lucid state-ment put before them by the Chairman, the company would become a great success.

Mr. Holland seconded the motion, which was carried by

acclamation.

The CHAIRMAN, in acknowledging the compliment, said: On behalf of my colleagues and myself I beg to thank the mover and seconder of this motion, and to thank you also for accepting it in the unanimous spirit in which you have done, and I can only assure you that your interests shall be looked after to the best of or ability, and if the results are satisfactory no one will be ore delighted than your directors. The proceedings then terminated.

#### THE MALLINA GOLD MINING COMPANY (LIMITED)

The first annual general meeting of the shareholders in the Mallina Gold Mining Company was held in the Merchants' House, 1, West George-street, Glasgow, on Friday, December 13, Mr. H. M. Cadell, of Grange, presiding over a large attend-

The Secretary having read the notice convening the

meeting,
The CHAIRMAN explained that the meeting had been delayed in order to permit of his return from the wilds of Western Australia, so that he might be able to supply the shareholders with more information than was contained in the reports. The ctors were disappointed at not being able to record b the past year. At the same time he had not lost confidence in the mines by any means, notwithstanding the poor character of the results which had hitherto been obtained, and he was fully confident that it was only a question of time before they would get everything that, in the first instance, they had been led to expect. Among other things he had discovered during his wisit was the necessity of providing an additional they would get everything that, in the list historic, only had been led to expect. Among other things he had discovered during his visit was the necessity of providing an additional boiler, seeing that the steam power, as at present available, was nadequate. This they would eventually supply from Sydney. The ten days he had been able to spend on the mine convinced him that the property was a good one, situate in a highly auriferons country. His opinion of the reefs, as the shareholders already knew, was a favourable one. For the most part the gold was disseminated through the reef in a finely-divided condition, and the only method of arriving at a reliable estimate of its value was by putting large quantities through the battery. A clean up of 16 tons produced 27 ounces of gold, which must be considered very satisfactory. The mine, of course, contained a good many rich specimens, and some of these he had brought to England. Among the other assets of the comhad brought to England. Among the other assets of the com-pany were 300 tons of tailings left by the previous proprietors which, upon assay, proved to contain 15 dwts. of gold. This was sufficient evidence that the ore previously crushed was valuable. It was satisfactory to note that the best part of the reefs have not yet been stoped. There was, undoubtedly, abundance of washing the satisfactory to be a stoped. ance of payable ore in the mine, but it must not be forgotten ance of payable ore in the mine, but it must not be forgotten that the returns from the battery only represented part of the product, and with the use of the cyanide process the greater part of the gold which escaped amalgamation could be subsequently recovered without difficulty. When a sufficiency of tailings and concentrates had accumulated a cyanide plant would be erected, but they did not propose to take this step at present. Instructions had been given to the manager to sink a new shaft, and at such a distance from the rest as to strike it at a doubt of and at such a distance from the reef as to strike it at a depth of This shaft had now been sunk to a depth of 54 feet, and was yielding a supply of water ample for the battery and wery capable engineer, who had already started working. The working capital—£15,000—had proved to be inadequate, and the London directorate, upon his advice, agreed to borrow a few thousand pounds more for the additional plant. He (the Chairman) concluded by moving the adoption of the report

and accounts,

The CHAIRMAN, in reply to a SHAREHOLDER, read the following cablegram:—" New shaft is now down 54 feet. There are 2400 gallons of water in the 24 hours. Pumping machinery and shaft now being erected. Will then continue sinking. Have been delayed by repairing pump. We shall then be able to run 16 hours. The mines promise well. We are now crushing better ore. I strongly recommend selling antimony ore. Likely to give large profits. During the holidays, seven weeks, we shall run the mill. Expect next month's returns will meet our engagements. The new machinery is working well. A we shall run the mill. Expect next month's returns will a our engagements. The new machinery is working well, movement is being made to open Balla Balla."

The motion having been seconded, an amendment was moved for the appointment of a committee.

The CHAIRMAN in imated that the board would gladly con with any committee the shareholders chose to select, and this understanding the original motion for the adoption of the report and accounts was carried.

The proceedings then terminated in the usual manner.

#### GOLDEN CEMENT CLAIMS, LIMITED.

The first ordinary (statutory) general meeting of the shareholder of the Golden Cement Claims (Limited) was heldlon Wednesday, at Winchester House, E.C., Mr. H. W. LOWE (the Chairman) pre-

siding.
The SECRETARY (Mr. S. J. Edwards) read the notice convening The CHAIRMAN said: Gentlemen—It is a matter of pleasure ou

The CHAIRMAN said: Gentlemen—It is a matter of pleasure on to have this opportunity of meeting you and addressing you on the prospects and position of our company. On the issue of our prospectus the prospects were so encouraging that we had the capital applied for six times over, and the allotments were necessarily very much curtailed; but I hope that those of our friends who were disappointed in that will have recovered by this time, and have gone into some other ventures which have as good prospects as we have been appointed in that will have recovered by this time, and have gone into some other ventures which have as good prospects as we have before us. Those prospects I may say, as we come closer to them, have not only not diminished, but they have improved. The first thing that we had to deal with was the title to the property. Deabts were raised in some quarters here and in Australia as to be effectiveness of the titles which they professed to have, and we were obliged to remain quiet until those titles were actually obtained by leases direct from the West Australian Government giving us a title to cur property. As soon as we had got that effectively proved we announced in the newspapers, under the advice of our represents tives in Australia, that those titles were perfect and unassallable. Then, as soon as the transfer of our property was completed, our next care was to obtain the services of a first-class manager—and that we have obtained in the person of next care was to obtain the services of a first-class manager—and that we have obtained in the person of Mr. Goldsworthy, who comes to us with the highest possible recommendation. Indeed, everyone who knows Mr. Goldsworthy speaks of him very highly. He entered upon his duties on October 24—a comparatively recent date—and we are daily in expectation of receiving his report upon the property, and also his plans of operation. Our property is a very peculiar one—I might almost say it is unique, for on the one side we have a reef of very high promise, being no less than the celebrated McAuliffe reef of not say it is unique, for on the one side we have a reef of vary h promise, being no less than the celebrated McAuliffe restof White Feather, and on the other hand we have a large area of nent. This is an auriferous concrete which is known under the name of cement, and which we have proved to contain an enormous wealth of gold. On the reef our developments have proceeded a rapidly as possible. We have sunk several shafts on the property proving the existence of the reef, and we have further come upon a good supply of water, our last reports being that there are our 40 feet in the shaft, which shows that we have a good pressure, and therefore, there are probabilities of a very ample supply. With regard to the cement, we require no development. The whole of that deposit is held on a basin-shaped substratum, so that the length and breadth and contents can be accurately ascertained. The proposety came from Wespectus came fro that deposit is held on a basin-shaped substratum, so that the leggth and breadth and contents can be accurately ascertained. The reports which were contained in the prospectus came from Mr. Seymour, a man of great eminence in his profession, and also Mr. Farman, a well-known expert on the field; but we were not satisfied altogether with one report, especially as that report gave us such phenomenal out-turns as Mr. Seymour predicted for us. We then asked Mesers. Bewick, Moreing, and Os. to make a survey of the property, and report to us their view of it. Their report reached us after the prospectus was issued, and it was sakisfactory to us to find that these gentlemen, a representative firm in every respect, arrived at the same result as Mr. Seymour and Mr. Furman. Mr. Seymour based his calculations upon a very low eithmate. He is a very careful man, and natorally did not want to overstate the case, but he arrived at the estimate of the gold value in the cement alone of £2,250,000 sterling. Taking the report of Meser. Bewick and Moreing, they arrive at almost the rame results by a different process of calculation, but in each case the result arrived at was almost identical, and we consider that it absolutely proves the existence of a most valuable deposit on our property. All we have before us now is the question of machinery, and there, I daresay, some of our shareholders have been very anxious to hear the result of that, but the policy of the board has been not to rush rapidly into ordinary machinery than that which could be board has been not to rush rapidly into ordinary machinery that may prove of a less efficient nature than that which could be afterwards obtained. We have a large capital at our backs, but we do not consider that sufficient to justify us in frittering that away do not consider that sufficient to justify us in frittering that away in hurriedly ordering machinery which we may suppose is right, but may prove hardly efficient. There are many new companies starting work early in the year, and several of them have modifications of existing modes of obtaining the gold, while others are quite of a novel description. We consider it is far better for us to wait for a short time, and see the absolute result of each of these on the field, by which we should be enabled to make a choice of that machinery which will answer our purpose in the highest degree. When we consider that we have three-quarters of a million of tons to crash, the efficiency of the machinery and the minimum less of extraction are the two points which we bear in mind as the most important for ourselves; for if we can save 5 per cent, in the less of we consider that we have three-quarters of a million of tons to crush, the efficiency of the machinery and the minimum loss of extraction are the two points which we bear in mind as the most important for ourselves; for if we can save 5 per cent, in the loss of extraction, that will very much enhance the value of our property, and go a long way to cover the cost of extraction. There are several processes in existence. We hear of the dry process, the oyanide process, dry crushing and wet crushing, and all those things, but we are not yet able to judge which is the most suitable. So far as we have gone at present, the battery system seems to answer very well indeed, but we cannot help thinking that at the present time, when scientific knowledge is advancing so rapidly, we shall find that experts and engineers will have discovered some means of mitigating the loss in extraction, which is a very important matter, and they will be able to show us machinery which is far more, economical and efficacious than the rough and ready process which has prevailed up to the present time. We think this is a property which we claim to be of proved value, and all that remains for us in to work it to the best advantage, and all we ask of you is to bear with us patiently, knowing that we are working for your interest, and that we desire to obtain the best possible results. As far as crushing is concerned, we could give you crushing—something on number of ounces. We have deposits on that field up to 37 onnes, but we feel if we gave you a sensational crushing—something to encourage speculation—we should not be acting faithfully towards the shareholders and the public. The time, we think, will not be long before we arrive at a decision. We have at our command almost the highest experienced men as experts, and the ablet the shareholders and the public. They are carefully studying the matter and working it in their hands until they submit their propeals we shall be acting in the best way for your interests and for continued returns for out-turns of the property. We want to put it upon a cash of continued returns for your investment. The ground is of that nature that it can be quarried from any point we choose to commence at, and our instructions to our manager will be to take the stoff as it and our instructions to our manager will be to take the stuff as it comes right through, and work the ground out to the last point, and I am sure in fature the results we shall obtain will be, I almost thist, far beyond your expectations. (Applause.) It is usual to ast if any shareholders have any questions to put. If anything occars to anyone present or any shareholder desires any information we shall be very pleased to give it. (Applause.)

Mr. Bachellos enquired whether it would not be necessary to have two kinds of crushing process, one for the reef formation and one for the coment? He imagined that as regarded the reef formation, the best form of orushing was known, but he was doubtful whether the best form was known for the coment.

The CHAIRMAN: With regard to Mr. Bachelor's question, I can answer at once that, so far as we can see, we do not desire any better process than the battery process for the reef; but our reef

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ast developed enough to keep a battery at work continuously. In the separation of the separation of the separation of the separation of these crushings, which have been expected that is easily explained by the latest advices we received. We find that a contract was made with very the separation of the most important parts of the machinery was distanced in the separation of the most important parts of the machinery was seald not be found, and had not been found to this day. In a their contract, these gentlemen sent us a stamp battery, but used out to be such a rickety affair that they have not got it to the seal out to be such a rickety affair that they have not got it to the seal can be the seal of the se type. I attach little value to the results obtained from that call testing the efficacy of the battery process. As soon as we make arrangements for temporary work we shall do so, but ide not want to make a contract to produce a rate per ten simply for the sake of crushing a soucces of gold, which will do nobody any good, that several processes, but for the reef I think I explained is far as we could see, the most efficient process is the battery. By this process the ultimate results of the scientific improvements are not been obtained, because we know that several other as reef companies on the field are employing other machinery who battery. I dare say you have seen a discussion in the escapers about the new dry crusher, which is going to be tried fanant's Brown Hill. They expect to get to work about January, we shall see what they do. That is a dry process, and which are very confident will be successful. In the motion of Mr. LE GROSS, a vote of thanks was given to the imman and directors, which was briefly acknowledged, and the meetings terminated.

#### CAPE COPPER COMPANY, LIMITED.

no eighth ordinary general meeting of the Cape Copper many (Limited) took place on Wednesday, at Cannon-street M. Mr. E. A. PONTIFEX (the Chairman of the company) pre-

he Secretary (Mr. J. C. Leaver) read the notice calling the

he Secretary (Mr. J. C. Leaver) read the notice calling the sting.

The Chairman said: Gentlemen—At our meeting last year I cured upon the dangerous ground of prophecy, and although the was then within about £2 of the lowest price it has ever school, I told you that I thought we might look in future for ideads far better than those which had been declared for the stream of the imsport and freight, £1476 in the cost of interest and dismt, £313 in the cost of management in London, and £1431
mscellaneous expenses, including law costs, repairs, &c.
have increased our returns of fine copper by 170
my which accounts for £6086 of our increased profit.
higher market price which we have obtained for our
morraccounts for £17,259. The better results obtained from
morraccounts for £17,259. The better results obtained from
morraccounts for £13,124, and we have remarket £7201, after deducting law costs, from the Société des
law. This last item of profit is, naturally, an exceptional
my which cannot recur; but it is very satisfactory to us to
m gained the law-suit which I informed you last year we
me then engaged in, and as to the result of which, not having
manch experience of French courts, we could not speak with
my march experience we have since enthen engaged in, and as to the result of which, not having much experience of French courts, we could not speak with a great amount of confidence. The experience we have since med shows us that an Englishman may rely on getting asme justice in a French Court as he may extine an English one. The amount that I have since of Englishman may rely on getting asme justice in a French Court as he may extined (£7210) which we have obtained from the white das Mètaux, brings up the total amount received attem in respect to breach of contract to the very respections of £60,000. We may, I think, congratulate ourselves as this result, as we are the only copper company doing mass with them, who not only made no loss in respect of stacts already fulfilled, but actually have obtained £60,000 at the breach of the unfulfilled portions of the contract share atiafactory feature which the accounts presented to whow is that the underground reserves at Ookiep have been maded upon to a less extent than they have been for the atwo or three years. In 1893 they were diminished the extent of 15,000 tons, in 1894 by 9000 tons, at in 1895 by 7000 tons only, and they still stand, at any safe calculation, at 41,500 tons. Inasmuch as we raised to Ookiep 26,200 net dry tons, and the reserves are only maished by 7000 tons, it follows that the discoveries during year must have amounted to over 19,000 tons, and should be fortunate enough to continue at this rate of discovery as the may reasonably be expected to last for several years that its present output, even if we should be unable to have appended to that of the directors give the shareholders and full information upon all matters of mining details that I make that the tather take up your time on this point. The Tilt which have also shown much better results than during miful information upon all matters of mining details that I sent further take up your time on this point. The Tilt is Mines have also shown much better results than during a previous year, when there was a loss upon them £12,873. This year the net amount of loss, after wing them with interest, amounts to £611 only, show-t an amelioration of £12,262. The interest charged the year's account amounts to £5163, so that, after stating the loss of £611, there is really a margin of interest, what might not improperly be called a margin of profit at their working of £4552. This saving of £12,662 is made all reduction in costs, £2292, and an increased price obtained £370. You will thus see that a very small further increases the market price of copper will bring these mines into a the market price of copper will bring these mines into a list market price of copper will bring these mines into a list market price of copper will bring these mines into a list market price condition. Last year I mentioned you with reference to Tilt Cove that we had approached abenture holders of that property, suggesting that they had abandon their right to a moiety of their interest for years on the cendition of our spending the money spaining up the West mine, whence richer ore had extracted in past years than from the East which we have been working. The debenbure which we have been working. The debenbure of the copper which we have been working. The debenbure of the copper was accepted our proposition, and so far as we are concerned wareed to lorage their claim for interest to the extent of him which we are to spend in opening out and developing a west mine. This work has been vigorously proceeded with, all the plant necessary for the purpose is now fully at work, all the plant necessary for the purpose is now fully at work, all the plant necessary for the purpose is now fully at work, all the plant necessary for the purpose is now fully at work, all the plant necessary for the purpose is now fully at work, all the plant necessary for the purpose is now fully at work, all the plant necessary for the purpose is now fully at work. The work was a second to be a supplied to the plant necessary for the purpose is now fully at work. The work was a supplied to the plant necessary for the purpose is now fully at work. The work was a supplied to the plant necessary for the purpose is now fully at work. The work was a supplied to the plant necessary for the purpose is now fully at work. The work was a supplied to the plant necessary for the purpose is now fully at work was accepted on the plant necessary for the plant necessar

(Applause.)
The vote having been cordially carried, Mr. Leaver briefly replied, and the proceedings terminated.

## ST: JOHN DEL REY MINING COMPANY,

The half-yearly ordinary general meeting of shareholders in the St. John del Rey Mining Company (Limited) was held at the Cannon-street Hotel, on Thursday, Mr. F. TENDRON

presiding.
The Secretary (Mr. M. A. M'Call) read the notice convenforward a balance from the half-year, which more than covered the six months' bond interest, and, therefore, the money to be devoted to this purpose had already been earned. What they new would carn during the three months he would not venture to hadding spoke volumes for their confidence in the value of the new would earn during the three months he would not venture to predict. Now, why was the working cost so dreadfully heavy? It was over £9000 a month, apart from capital expenditure. He would give them the main explanation, although he desired to say as little as possible of a disparaging nature either of the Brazilians or of their Government. One would have thought that the provincial capital that had been good enough for them for a great many years past would have been good enough in the provincial capital that had been good enough for them for a great many years past would have been good enough of going southwards, where fair towns already existed, they must go northwards into an almost unpopulated country, regardless of the cost, and of the question whether anybody would ever live in the place except the officials. He did not know whother they would not be called upon at some future time to pay a portion of the wnormous expense thus incurred; in any case, this reckof the enormous expense thus incurred; in any case, this reck-less venture had already raised the rate of wages in the company's district, as well as the price of provisions, and it had been money was raised had always been paid to the day.

that I think any local of discelers may well be proud of This some meaning and the proud of the pr to the this new process, and that at the most moderate computation the recovery of gold therefrom would amount to 9s. a ton, which would give them the 54s. he had mentioned. That the process was a good one there was no question. The Chairman then exhibited a bar of bullion and two discs of gold and silver, the result of the first large treatment by the oxygen process. The following description was appended thereto:—"This represents 258°s oits, extracted from 37 tons of sand which had undergone repeated treatment by amalgamation, and contained no free gold. The total contents in the sand before being treated by the oxygen process equalled 340°4 oits. The recovery represents 76°028 per cent., and the time of treatment four hours for each charge of 1 ton." If they could get sufficient of this machinery to work they might hope for a proper recovery, and there was nothing more pressing out there than the provision of means to recover as large a proportion as possible of the gold coatents. He thought the abareholders would see that, although the position was discouraging for the moment, and that they must have patience in the matter of dividend, they had a substantial property, and one that was sure to give them a good return in the future. That assurance was strengthened by another portion of Mr. Chalmers to legram, which told them that winze No. 4 was now down 174 feet in splendid mineral. The Chairman then referred to the facility with which they had been able to get their electrical plant landed and taken up to the mine, the Government having behaved exceedingly well in the matter. Another matter mentioned in the telegram with which he was not pleased was that Mc. Chalmers was not going on with the boring until he put up an electrical compressor. No doubt he had very good reasons for that, but it would have been highly pleasing to both shareholders and directors to know that the water had been tapped and was under control, and the hoped that no delay that could possibly be avoided would be allowed to occur in the tation the recovery of gold therefrom would amount to 9s. a ton, which would give them the 54s. he had mentioned. That the Camon-street races, on another presiding.

The Segretary (Mr. M. A. M'Call) read the notice convening the meeting.

The Charleman, who was received with applause, moved the adoption of the report and accounts. He congrutulated the shareholders on the mecess of the issue of the new shares. They had reserved 20,000 shares in the hope of gatting a decont premium for them later on. The other 80,000 shares were offered to the shareholders, and the whole of them had been taken up. The company had now been placed in a strong financial position, and that they must have patience in the matter of dividend, they while the patience in the other shareholders was half the battle. That being can all having made a profit for the six months for over £25,000, which, after deducting bond interest, that is alsance of £14,000, then the working cost, and they would entirely depend upon to three months and the working cost, and they would entirely depend upon to three months of the short of \$25,000 the part of the money with which to pay the six months' bond interest. The six months' sold matter the months and the province of the same of the part of the same of the part of the p holding spoke volumes for their confidence in the value of the property. With reference to the galena which they had come across, there was very little of it at present, but it still continued. across, there was very little of list present, but it still continued. It was worth £300 a ton, and they had never before met with mineral so valuable. He felt sure there must be more lower down, and if they could only come upon 2000 tons of it the whole capital of £600,000 could be returned with 10 days' stamping. (Laughter.) His estimate of £80,000 was not based upon galena, but upon the working of the company during the last 33 years. (Applause.)
Sir John Swindung, Bart., seconded the resolution.

Sir John Swithburn, hart, seconded she resolution.

A SHAEHHOLDER asked whether it was not the fact that the omeans had punctually paid up the interest on the bonds?

The Chairman replied in the affirmative, and said that the omeans had borrowed money, the ordinary capital having been sentiletent, and the interest on the debentures by which the

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The motion for the adoption of the report and accounts was
then put and carried unanimously.
The CHAIRMAN remarked that Sir John Swinburne had suggested that the reporters should be asked to exclude from their

gested that the reporters should be asked to exclude from their report his uncomplimentary references to the Government of Brazil, seeing that they would be translated into Brazilian, and circulated in the country. (Laughter.) He hardly agreed with Sir John in this matter, and thought that if his remarks were read in Brazil it might do good. (Laughter.)

The CHAIRMAN moved a vote of thanks to Mr. Chalmers and the officers at the mine, and the secretary and staff in London, saying that the auxiety and care connected with the company's work was crustantly with them, and they were constantly working hard in the company's interests. They were, however, of course, unable to alter the conditions of working in Brazil.

The motion, having been duly seconded, was heartily carried.

Mr. Grant proposed a cordial vote of thanks to the Chairman and directors for having worked as they had done in the company's interests. The past had been for them a time of great

pany's interests. The past had been for them a time of great anxiety, and no trouble, he felt sure, had been spared to bring rprise into smooth water. (Applause.)

Mr. Figgs seconded the motion, speaking of the peculiar frankness which had always characterised the speeches of the

The motion having been carried by acclamation, the Chairman briefly responded, and the proceedings terminated.

## PESTARENA UNITED GOLD MINING COMPANY,

The annual general meeting of shareholders in the Pestarena United Gold Mining Company (Limited) was held on Thursday, at the offices, 6, Queen-street-place, the chair being occupied by the Hon. Hubert Hanbury-Tracy.

The Secretary (Mr. Richard Garland) read the notice con-

vening the meeting.

The CHAIRMAN said: Gentlemen—In addressing you last year I was able to congratulate you upon the better prospects of the mines, and the improved financial position of the comof the mines, and the improved financial position of the com-pour. I think I am justified in saying that that position has been fairly well maintained. During the 15 months ending September 30, the Peschiera Mine yielded 6851 tons of ore, which produced 9560 ounces of gold, or an average of 1 ounce 7 dwts. 21% grains per ton, and the profit for that period amounted to £8690 5s. The rate of gold production was slightly better than for the year previous, having, been 638 ounces per month as against 627 ounces; but the profit was proportionately amaller, in consequence of a decrease in the stock of ore at surface, of an outlaw on account of new machinery, and of an smaller, in consequence of a decrease in the stock of ore at surface, of an outlay on account of new machinery, and of an increase in certain items of expenditure, notably in that for taxes in Italy. It will be seen that the movement of the profit and loss account has been as follows:—The balance brought forward from June 30, 1894, was £5550 19s. 10d., to which has been added the profit for the 15 months to September 30, 1895, £8690 5s., making £14,241 4s. 10d. Against this has been charged the debenture interest from June 1, 1894, to September 30, 1895, £1600, and amount written off for depreciation of machinery and plant, £1000—£2600, leaving a credit balance at September 30 of £11,641 4s. 10d. There are reasons why this balance should remain undisturbed for the present, except in so far as the directors have no choice in the matter, but they are compelled under the conditions of the mortgage debenture compelled under the conditions of the mortgage debentur bonds, to set aside a certain amount in redemption of debenbonds, to set aside a certain amount in redemption of debentures on this occasion. The debentures are redeemable by annual drawings, commencing one year after the first mortgage to the Bank of Alessandria has been fully satisfied and cancelled, and this took place on December 8, 1894, so that the first drawing is now due. A sum of not less than one-fourth of the balance of profit in hand on September 30 in each year has to be devoted to this purpose, and in order to ascertain this amount to comply with the terms of the bonds, the accounts are made up this time to September 30, embracing a period of 15 months instead of 12 months, to June 30, as of late years. I may mention in passing that in adopting September 30, containing September 3 aperiod of 15 months instead of 12 months, to June 30, as of late years. I may mention in passing that in adopting September 30 as the end of our financial year for the future, we are reverting to a practice which obtained up to the year 1878, when for good reasons at that time the date was altered to June 30. As intimated in the report, the directors have decided to pay off £3000 of the debentures, together with the bonus of 20 per cent., amounting to £600, making the sum of £3600, and it is proposed to proceed with the first drawing on Monday next, the 23rd inst. The small amount of interest accruing from the 1st inst., when the last coupon was paid, up to the 31st inst., the date fixed for redemption, will, of course, be paid upon all such bonds as may then be drawn. The £3000 will allow of the payment of 18 bonds of £25 each, 19 bonds of £50 each, and 16 bonds of £100 each. The debentures then outstanding will amount to £9000, and the interest payable will be £900 a year instead of £1200 as before, thus a saving will be effected of £300 a year on this head. The amount which will then remain to credit of profit and loss account will be £8041 4s. 10d., which it is intended for the present to carry forward. As stated in the accounts, this balance is subject to certain liabilities and charges in Italy and England, the amount of which has not yet been in Italy and England, the amount of which has not yet beer ascertained. In explanation of this, I may say that a consider able expenditure on a new electric pumping plant has been incurred. The cost of the arbitration and the carrying into effect of the scheme of reorganisation, with its attendant legal expenses, must be provided for, and a liability in Italy in contion with taxation, not yet fixed, will in all probability require nection with taxation, not yet hard, will in all probability require to be paid promptly when the amount is settled. In any case, as the shareholders have during the year relegated to Mr. Alexander Young the responsibility of arranging the company's finances in a scheme of reorganisation, the directors have felt that they would not be justified in dealing further felt that they would not be justified in dealing further with the balance which has accrued through an unavoidable delay in bringing out the scheme, and for the foregoing reasons it has been impracticable either to pay off a larger amount of debentures, or to make any other payment thereout, the proposed arbitration, the reasons for this step an As to ed arbitration, the real the proposed arbitration, the reasons for this step and the views held by the board in regard to it, were fully set forth at the extraordinary general meetings on May 17 last. At these meetings resolutions were unanimously passed adopting an agreement appointing Mr. Alexander Young as arbitrator, and authorising him to formulate and carry into effect a scheme for the readjustment of the capital account of the company, and of the rights of the various classes of shareholders therein, and this agreement, was subsequently actified here are account.

for some time previous, in connection with taxation, but in respect of which no basis for a settlement had been agreed upon. Mr. Young felt that this matter should be disposed of in order that the exact position of the company in relation to it, and the that the exact position of the company in relation to it, and the liability to be imposed, should be ascertained before he completed his scheme, and that these questions should, if possible, be finally settled, and so avoid their cropping up again hereafter. Negotiations have been continued up to the present, and though the expected decision has not been actually reached, we are informed that the question is practically settled, and that the figures may be communicated to us at any day. This is the cause of the delay, which the directors much regret, and which they have done everything in their power to obviate, but there is now every reason to suppose that Mr. Young will very shortly be in a position to proceed with his task. I would say that Mr. Young has himself been desirous of pushing this matter to a conclusion, and at his suggestion a gentleman well known to him, who has had much experience in negotiations of this kind with the Italian Government, and who happened to be in Italy during the summer, was asked to go to Pallanza to confer with the company's representatives, and it is believed he rendered valuable assistance in their deliberations. The subject of these negotiations must be considered as being sub judice, and, therefore, it would not be prudent to discuss it with freedom at this liability to be imposed, should be ascertained before he comfore, it would not be prudent to discuss it with freedom at this stage. The negotiations have been of a difficult and somewhat delicate nature, but we have reason to hope that they are on the point of being concluded in a satisfactory manner, while imposing a comparatively small burden upon the company. As to the mines, I will leave them for Mr. Edgar Taylor, one of our managers, to deal with in detail, and will only briefly say that, although the ore reserves have diminished, the development of the rich ore-shoot recently discovered at the 46 fathom level, and extending upwards, is likely to make good this deficiency before long, as well as to maintain the regularity of our gold returns; the operations at the Kint Mine are expected to be attended with good results, and when the new electric pumping machinery is at work, a speedy The negotiations have been of a difficult and when the new electric pumping machinery is at work, a speedy communication with the Pozzone Mine will be effected, probably in the Spring of next year, and an additional mine of reputed richness will be available for exploration, and, it is hoped, will add greatly to the value of the company's property. As to the immediate outlook, Captain Trelease states in his report the immediate outlook, Captain Trelease states in his report that he feels justified in saying that the returns for the coming year will be approximately equal to those of the past, and in a letter, dated December 14, our superintendent says: "I look forward most hopefully to the results of the financial year ending September 30 next, as I feel persuaded we shall have plenty of rich ore to mill." We continue to have great reason to be satisfied with our superintendent and mining agents for the able zealous matter in which they discharge their duties. I now move: "That the reports now presented with the balance-sheet and accounts to September 30, 1895, be received and adopted."

(Cheers.)
Mr. Swaffield seconded the motion. Mr. EDGAR TAYLOR said: Gentlemen—A study of the chief mine agent's report for the 15 months now under review will have shown you that all the points mentioned in last year's programme have been taken in hand, and the majority of them have shown you that all the points move under review will have shown you that all the points mentioned in last year's profigramme have been taken in hand, and the majority of them persistently followed. Although the exploratory work carried on in the deeper parts of our mine has been in a measure disappointing, yet this has been more than compensated for by the recent valuable discoveries made in the upper levels. We are continuing vigorously to explore in the deeper levels, and with good prospects, notably at the 70 crosscut north, where we have, after a very long drivage in barren ground, nearly reached the point at which we may expect to intersect the Speranza lodes. This crosscut was reported on September 20 last to be within some 20 metres of the first of these lodes. The summary of the work done shows that in the Peschiera and Acquavita Mines a length of 513 metres was driven on lodes, and in crosscuts; in Stabioli Mines, 141 metres; and in the Kint Concession, 241 metres; a total of 895 metres, or about 3000 feet, and this is irrespective of the ground stoped, which amounted to 3196 square metres. Our agents consider that the results of the work done have been satisfactory. The discovery in the Peschiera Mine, which I have already alluded to, has been made in the 46 fathom level east on the No. 1 lode, and is undoubtedly the principal feature of the recent developments. This level, which had been lying idle for a long time, was driven again in August, 1894, in order to search for the ore shoot that was turning out so well in the 55, the level below. About 22 metres were driven, the lode yielding a little ore valued at 1 ounce 10 dwts. per ton, when doubts arose as to its being on the right lode, and a new survey was made to determine this, with the result that it appeared to be an offshoot from the main lode, and another drive was immediately taken up on a branch standing further south. This proved to be the No. 1 lode, and soon began to yield ore to the value of 2 tons per fathom, worth 1 ounce 10 dwts. ward, with a yield of 6 tons per fathom, worth 1 ounce per ton, although it has not yet reached the main ore shoot. Captain Trelease tells us that the whole length of the ore shoot is standing in front of this level for about 500 feet, and that it is, in all ing in front of this level for about our leet, and that it is, in an probability, extending upwards intact to the surface, and, he adds, it is likely to keep the mills fully supplied for some years to come. To derive a fair idea of the value of this discovery it is only necessary to point out that in the 55 fathom level the adds, it is likely to act.

to come. To derive a fair idea of the value of this discovery is only necessary to point out that in the 55 fathom level the lode for 130 metres yielded an average of 6½ tons per fathom, valued at 1 ounce 10 dwts. per ton, and during the past year, until the extremity of the shoot was reached, it yielded tons per fathom, worth 2 ounces per ton. In order to until the extremity of the shoot was reached, it yielded 4 tons per fathom, worth 2 ounces per ton. In order to open up this shoot more rapidly, preparations are being made for extending the old 33 and 16 fathom levels to reach it, and during the coming year it is hoped a large section of the lode will have been opened up for steping.—55 fathom level. This level has passed beyond the limit of the ore shoot, but is being continued to explore the lode further east. 70 fathom level east was driven a further distance of 24 metres and then stopped on account of the water encountered, but the lode has a promising appearance, and will he worked again after the new a promising appearance, and will be worked again after the new pumping machinery is started. From these remarks you will gather that the Peschiera Mine is looking much better than it has done for some time past. The reserves have certainly fallen agreement appointing Mr. Alexander Young as arbitrator, and authorising him to formulate and carry into effect a scheme for the readjustment of the capital account of the company, and of the rights of the various classes of shareholders therein, and this agreement was subsequently ratified by a very satisfactory majority, being much in excess of the three-fourths required of each class. The scheme when it is ready will, therefore, be certain to be carried through, and it is hoped this fact will influence the few shareholders who have not yet sent in their ratifications to do so without delay. It was the intention that the scheme should have been proceeded with at once, and with that object in view, instructions were given to our representative at Pallansa, and to the company's legal adviser there, to push forward to as speedy a termination as possible the settlement of cortain claims which had been preferred against to company. off a good deal, but there is every reason to suppose that before long these will be materially increased again. Before speaking

may at any time be expected. I am sure you will still approve
the policy which we have so strongly urged, of carrying on as
large an amount of exploratory work as possible. The benefit
of this policy we have notably before us in the valuable discovery already alluded to.

Mr. S. J. WILDE said that he had visited the mines last
Autumn, and had seen a great change for the better since he
had been there three years previously. The staff had very
much increased, and operations were proceeding on a much

had been there three years previously. The stall has very much increased, and operations were proceeding on a much larger scale than before. There seemed to be a very good feeling between the different members of the staff—and this was a very between the different members of the staff—and this was a very larger than the connection with a mining company. The important point in connection with a mining company. The road that was being built would be a great service to the company, but there was considerable delay in its completion owing to a want of funds on the part of the local authorities.

The CHAIRMAN, in answer to Mr. Coles, said that the amount entered in the accounts for taxes was for 15 months, and that the total expenditure for electrical plant would come to about £2700, besides which there would be something additional for its erection and insurance.

Mr. C. J. HARVEY enquired whether the severe frosts of the Winter might not interfere with the works by freezing up the water supply for driving the electrical plant.

Mr. Edgar Taylor said that this difficulty had been antici-

pated, and that the manager had protected the pipes convey.

ing the water from the river to the Pelton wheel. If the water could be kept moving, however, there would be no necessity to ect the pipes.

Mr. Coles, who said he represented a large first and second preference interest, said he thought that up to the present the profits had not been divided amongst the shareholders from time to time, but expended on matters which should properly be charged to capital account, such as new machinery and additional concessions at the mines. He also read a letter which he had written to the board, in which he had objected to the use of profits for paying off debentures. He quite recognised the fact that the directors had worked hard in the interests of the shareholders during the past year, and they would have a similarly anxious time of it during the coming year.

Mr. OLDFIELD considered the financial policy of the directors a very wise one, and commended their carrying forward a considerable sum, having regard to the liabilities against the company. The money which had been used to meet the debentures had by no means been wasted, for the company was by that amount better off than it was before. The amount of profits shown in the accounts seemed to him to be very satisfactors, and after what Mr. Edger Taylor had told there are all the same and the same a tory, and after what Mr. Edgar Taylor had told them regarding the development at the mines, he thought they might look for ward to a large balance of profit upon the current year. He thought the utmost support should be given by the shareholders to the board, who were doing the best they could to put the

ompany upon a sound basis. (Applause.)

Mr. Wilds understood that the company were bound to pay
off the debentures; in which case there was no room for discus-

sion in the matter.

Mr. Figld agreed that the directors had had an arduous and difficult task to perform in the past, and was sure the shareholders would have the fullest confidence in them and the policy they were pursuing. He considered, moreover, that the management of Messrs. John Taylor and Sons had been beyond praise. Their management of the mine had been consistent throughout. throughout.

Mr. Coles said he was quite willing to leave the question of the debentures in the hands of Mr. Young, and was confident that he would do what was fair by all classes of shareholders.

(Applause.)

Mr. Donagan explained that the debentures had been paid

mr. Donagan explained that the debentures had been paid off under an arrangement entered into when they were issued and the board could not do otherwise than carry that arrange ment out.

The motion for the adoption of the report and accounts was nen put and carried.

Mr. Olderiald moved the re-election of the retiring directors, the Hon. Hubert Hanbury-Tracy, Mr. Richard Donagan,

and Mr. Henry Swaffield.

and Mr. Henry Swaffield.

Mr. Harvey seconded the motion, saying the shareholders were very much indebted to Messrs. John Taylor and Sons and the board of directors for the way in which the property had been brought to the front. They could with confidence rely on the statement made by Mr. Edgar Taylor to the effect that there were some valuable reserves in the mine, which in the future would enable the directors to put money in the sharefuture would enable the directors to put money in the shareolders' pockets.

The motion was carried unanimously.

The CHAREMAN briefly acknowledged the compliment, and said that the shareholders might rely on the board doing their utmost to make the company a success.

On the motion of Mr. Woods, the auditor, Mr. J. W. Harding, was re-elected.

Votes of thanks were cordially given to the Chairman and board of direction, to Messrs. John Taylor and Sons, and to the manager and staff at the mine.

The CHAREMAN, in answer to a question, said that when Mr.

The CHAIRMAN, in answer to a question, said that when Mr. Young's scheme for reconstruction was formulated a meeting of shareholders would at once be called.

The proceedings then terminated.

#### GREAT BOULDER MAIN REEF, LIMITED.

The first ordinary (statutory) general meeting of the share-holders of the Great Boulder Main Reef (Limited) was held on Thursday, at Winchester House, Old Broad-street, E.C., under the presidency of Mr. WILLIAM MARDEN.

The SECRETARY (Mr. Harry Parson Smith) read the notice convening the meeting.

The CHAIRMAN said: Gentlemen—This is, as you are aware, to

ourely formal statutory meeting, called in compliance with the equirements of the Joint-Stock Companies Acts; but it gives the directors an opportunity of putting before the shareholders some information as to the progress of the company and the rty, I hope to show you before I interesting and also satisfactory. have finished that we have got a property absolutely second to none on the gold fields, not even excluding the Great Boulder itself. The property was obtained from the Venture Syndicate early in the year, was registered as a company of August 23 last, and the directors proceeded to allotment on October 25, by which date the whole of the working capital of £30,000 was subscribed. The apparent delay between the time of registration and allotment was accessinged by the necessity of of registration and allotment was occasioned by the nucessity of the directors being satisfied that the property had been transferred into the name of the company before allotting any shares. Directly this information was received the allotment was proceeded with. The working capital having been subscribed privately, there was no necessity to issue any prospectus to the public; but a short prospectus was prepared for the convepublic; but a short prospectus was prepared for the convenience of shareholders and to comply with Stock Exchange requirements, giving particulars of the company and copies of the reports on the property. The directors lost no time in cabling out instructions to Mr. Seymour to push on with the develople dises last very much ieeling a very to the

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sent of the property vigorously. Mr. Seymour, who, as you are probably all aware, is a partner in the well-known firm of Messrs. Bainbridge, Seymour, and Co., is the consulting engineer to our company. Since the beginning of September re have been in receipt of reports from the mine manager, Mr. March, and cablegrams from Mr. Seymour, from time to time, then anything of special interest had to be communicated. I do not propose to take up your time by reading through these reports and the cablegrams, which have already appeared in the financial papers, but will tell you shortly what they amount in. We have had 30 men at work on the property ever since retook it over. Three shafts have been sunk, known as No. 1, No. 2, and the west shaft. No. 2 shaft is in the south-west comor of our proporty; after being sunk to a depth of 34 feet, it was abandoned. The other two shafts are situated one on set side of the line of reef. The new shaft, being the western so, is situated some 56 feet from our western boundary, and is connected with No. 1 shaft by a crosscut. It is in this crosscut that we have found what is undoubtedly the Great Boulder fole, and I will read you the last report we have received from Mr. Seymour, which arrived late on Tuesday, and was at some communicated to the Press, but, through a mistake, did got appear until this morning. I think it absolutely confirms this view. It is as follows:—"Perth, December 16, 1895.—There are three shafts upon this property, 30 feet, 70 feet, and 3 feet deep. The two latter are connected by a crosscut. Have sit a reef in crosscut carrying a large quantity of visible gold. The lode runs 38° west of north. The lode inclines at an angle of 10° to the perpendicular, and is the same in every respect a Boulder. It varies in width from 4 feet to 8 feet. Assays of the load runs and 1 may say that the directors feel confident, both to may be a season of the community, and I may say that the directors feel confident, both may alway the season when the season we have the Great Boul

Mr. Hodgkinson asked whether the lode inclining at an angle

10° to the perpendicular ran east or west?

Mr. Macklin said, personally, he had no knowledge as to that, the understood that a telegram from Mr. Seymour left no what that it was dipping easterly—that was, dipping into the any's property.

The CHAIRMAN said the telegram showed that the lode dipped, they nearly all did, to the eastward; so that they would have whole width on their property in front of them.

In Hodekinson said that was very satisfactory.

The first ordinary general (statutory) meeting of the share-holders in the Talisman Gold Mines (Limited) was held on Thursday, at Winchester House, Brig. Surgeon-Lieut.-Colonel Bensley (the Chairman of the company) presiding.

The Secretary (Mr. Alfred Aylard) read the notice con-

The state of the s wh have been opened up on our property—the eastern lode, the battery which it has been deemed advisable to get. Then, with has not yet been opened up, and the Ivanhoe, which, with regard to development; we have decided to push on works in reefs 2 and 3, because there are over 100 feet of the battery which it has been deemed advisable to get. Then, works in reefs 2 and 3, because there are over 100 feet of the battery which it has been deemed advisable to get. Then, works in reefs 2 and 3, because there are over 100 feet of the battery which it has been deemed advisable to get. the battery which it has been deemed advisable to get. Then, with regard to development; we have decided to push on works in reefs 2 and 3, because there are over 100 feet of backs in them, which will keep a 10 stamp battery going for more than a couple of years, and, further, we have decided to let work remain in abeyance for a little time in No. 1, or Point reef, as our battery power for the present is insufficient to cope with more ore. Instructions have, therefore, been sent out to commence stoping in reefs 2 and 3, so as to have plenty of ore at grass for the battery, and to apply for and obtain a water right over 3 or 4 acres of land at the foot of the cliff skirting the eastern boundary of the Talisman lease. Here the manager has been directed to sink a water shaft and prepare a battery

remarking that he was sure the shareholders were perfectly satisfied with the statement he had made.

The motion was carried unanimously.

The CHAIRMAN, in acknowledging, said the affairs of the company would have the best attention of himself and colleagues, and they had every hope and every faith that the enterprise would be an undoubted success. Shareholders must not expect that it was going to be developed in a day, and that they would have returns to-morrow. The question of machinery could not be dealt with in a hurry, nor without incurring expense; but the only way was to incur as little expense as possible, and get the most suitable machinery. Shareholders might depend upon the best energies of the board, and that the matter would be settled with all possible speed. (Applause.)

The first ordinary general (statutory) meeting of the shareholders in the Talisman Gold Mines (Limited) was held on Thursday, at Winchester House, Brig. Surgeon-Lieut.-Colonel greater magnitude. It never is safe to dive to far into the future, more particularly in mining operations, where disappointments are constantly cropping up to baffle one's bopes, but I believe I may safely promise you that some time in April next we hope to be in a position to give you results from your own battery. I do not think I have anything further of interest to say regarding the mine. My own firm conviction, and I am sure my colleagues share it, is that you have a valuable and wall-proved property that requires careful and energic

look £1000 worse than is really the fact, I think we must try and get rid of it next year. Some of the sundry creditors have been paid off since the accounts were made up, and some of the amounts are not due until next year. I have already explained the contingent reserve fund. It is not to be entered as profit at the moment, but to be treated as an insurance fund, if necessary, to maintain the value in the balance-sheet. On the credit side the figures are large. The sundry investments, £48,303, include shares in other companies, which will be sold as occasion may arise. In other cases the shares were assessed on the known value of the assets of the specific company or on market value, as the case might be. On the freebold land, which stands at £5,000, we hope to realise a good profit. The amounts making up the item of mortthe eastern boundary of the Talisman lease. Here the manager tanks to the eastern boundary of the Talisman lease. Here the manager to realise a good profit. The amounts making up the item of morthas been directed to sink a water shaft and prepare a battery site. The idea is to convey the ore from the shafts of Nos. 2 and the shaft was very satisfactory.

The design and the eastern boundary of the Talisman lease. Here the manager to realise a good profit. The amounts making up the item of morthas been directed to sink a water shaft and prepare a battery gages and loans—£22,600—are secured on large tracts of land, which stands at £5,000, we hope to realise a good profit. The amounts making up the item of morthas been directed to sink a water shaft and prepare a battery gages and loans—£22,600—are secured on large tracts of land, and bear interest at the rate of 6 per cent, per annum. A portion of the item sundry debtors, £6,000, has already been paid, and we expect to receive nearly the whole before the end of the year,

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The expenses incurred on business pending amount to £375. If we succeed in completing the business we have in hand, I think yeu will have nothing to complain of in the year 1896. New, to sum up the position in a few words, it is this: At the last general meeting all our capital was locked up in land. This year the directors are able to say:—"We have paid off all mortgages and freed the company from the debenture debt. We pay you 22½ per cent. dividend on the ordinary shares and 75 per cent. dividend on founders' shares. We have our capital intaer, and carry forward to mext accounts asurplus equal to about the total capital of the company." If there are any points, gentlemen, on which you would like further information, I shall be happy to answer any questions you may put to me. I now beg to move that the report and accounts as presented to the shareholders be approved and adopted.

Mr. Archibald Thompson seconded the metion.

In raply to a question by Mr. Coard, the Chairman promised that the directors would be prepared to consider any scheme for the conversion of the founders' shares.

The motion was then put, and adopted unanimously.

The Chairman moved that a dividend of 12½ per cent, be paid, making with the interim dividend of the conversion of the founders' shares.

conversion of the founders' shares.

The motion was then put, and adopted unanimously.

The CHAIRMAN moved that a dividend of 12½ per cent. be paid, making, with the interim dividend, 22½ per cent. on the ordinary shares, and also that a dividend of 15s. per share, equal to 75 per cent., be paid on the founders' shares.

Mr. J. S. REED seconded the motion, which was also put, and charted purposingually.

The CHAIRMAN, in proposing the re-election of Mr. Ann to the The CHAIRMAN, in proposing the re-election of Mr. Ann to the board, said that a considerable amount of the credit was due to that gentleman for having brought the company through its difficulties.

Mr. Ann was possessed of indomitable perseverance and evenness of temper, coupled with an immense capacity for work, and was a ngth to any board.

General MURRAY seconded the motion, which was also put and

dopted unanimously.

Mr. Green proposed the re-election of Mr. Mather as auditor T. COLLIER seconded the motion, which was put and

On the motion of Mr. COARD, seconded by General MURRAY, a hearty vote of thanks was afterwards passed to the Chairman and directors of the company, and the proceedings terminated,

#### WARATAH GOLD MINES, LIMITED.

The ordinary general meeting of the Waratah Gold Mines (Limited) was held on Tuesday, at the Cannon-street Hotel, Mr. RICHARD CORY, J.P., in the chair.

The Secretary (Mr. A. B. Beeston) read the notice calling

the meeting.

The CHAIRMAN said the directors ventured to think that, as the shareholders had particulars of their conduct of the busithe shareholders had particulars of their conduct of the business, and the general prospects of the development of the mine, they would, with them, come to the conclusion that they had a very valuable property. Reports had from time to time been sent to shareholders, so that it was not necessary to repeat the contents of the various cablegrams received from the manager, except the two following:—"October 30, 1895. Stopes still hold good in south level. Struck a rich body of ore in No. 2 north level; 120 tons at grass. Have let contract for sinking 50 feet (of main shaft) at £3 10s. per foot."—"December 3, 1895. 170 tons of quartz at grass, estimated value £10 per ton. Underlie shaft 366 feet, quartz coming in. Rich quartz in winze. North level looking very well. Prospects are encouraging." Five tons of ore have very well. Prospects are encouraging." Five tons of ore have been sent over from the mine, which came to hand in June last, and was estimated to be worth £10 to £12 per ton. A recent assay made of some of this stone in London gave the result of 2 ounces 0 dwt. 12 grains fine gold at £4 4s. per ounce, £8 11s. 11d.; 58 ounces 17 dwts. silver at 2s. 6d. per ounce, £7 7s. 11\(\frac{1}{2}\)d., or a total money value of £15 12s. 1d. per ton of stone. A further consignment of 131 tons of ore was now on the way here, but it had been delayed in coming in consequence of the crank shaft of the steamer having broken, and the vessel being obliged to put into Malta; it was expected to arrive about the end of the present month. This parcel was reported to be of richer quality than the 5 tons just mentioned. In addition to this, 170 tons of ore was at grass.

After some congratulatory remarks from shareholders, the

CHAIRMAN proposed the adoption of the report and accounts, which was seconded by Mr. John Whithelbad, and carried

unanimously.

The retiring director, Mr. John McDonold, was re-elected, as were the auditors, Messrs. Curtis, Thomson, Lucey, Hicks, Mr. Denny proposed a cordial vote of thanks to the Chairman and directors. He believed all they now would have to do would be to receive the returns and distribute the dividends.

(Applause.)
Mr. Kardes seconded the motion, which was carried by acclamation, and the meeting separated.

#### NORTH-WEST AFRICAN MINERAL CONCESSIONS, LIMITED.

A winding-up order having recently been made against this company, the statutory meetings of creditors and contributories were held on Thursday before Mr. A. S. Cully, Assistant Official Receiver, at the Board of Trade Offices, Carey-street, Lincoln's Ion. It appeared that the company was registed on January 31, 1894, and was formed for the purpose of acquiring certain concessions from Arab chiofs in the north-west part of the Sahara Desert, to mine, trade by means of barter with the natives, and carry on business generally. The concessions were obtained from Arab chiefs, who came over from Africa and restricted in the concessions were obtained from Arab chiefs, who came over from Africa and red from Arab chiefs, who came over from Africa and reobtained from Arab chiefs, who came over from Arica and remained in this country for about a forteight, and who signed the concessions on behalf of themselves and two others. An expedition was a nt out to Africa, but at one time they met with so hostile a reception that it was deemed expedient to beat

The CHAIRMAN stated that the nominal capital of the company was £8000, the purchase price for the concessions being fixed at £8,500, payable as to £6000 in shares, and £2500 in cash. That left the company without any working capital, and it became necessary to raise money on debentures and £5500 had been received from that source. Where the money had gone the Official Receiver had not yet ascertained. The signature of the seven Arab chiefs which were necessary to make the concossions effective appeared to have never been obtained, although the signatures of other chiefs, who had nothing whatever to do with the matter, had been appended to the concessions, the con-sequence being that they were looked upon as valueless. Goods were sent out for the purpose of barter with the natives, but apparently no accounts had been kept. Complaints had been made as to the management of affairs in Africa, and the Official Receiver would use every effort to thoroughly investigate the ment of affairs had been filed, but from No state whole matter. whole matter. No statement of anairs had been fined, but from a preliminary list of creditors it appeared that the unsecured liabilities amounted to £7200, in addition to the claims of debenture-holders to the extent of £5500. So far as the Official Receiver was aware, there were no available assets.

The meeting of oreditors was adjourned to January 2 next, in the absence of a quorum.

At the meeting of contributories, held later in the day, a SHAREHOLDER moved that the matter should be left in the hands of the Official Receiver, stating that, seeing the large amount of assets in hand—(a laugh)—it would not be desirable to have an outside liquidator, especially as the investigation of the company's affairs would be quite a labour of love on the Official Receiver's part. (Laughter.)—The resolution was carried unanimously, and the proceedings terminated.

#### SEGOVIA GOLD MINES, LIMITED.

The first ordinary general meeting of this company was held at vinchester House, Old Broad-atreet, on Wednesday, Mr. H. S. SANKEY presiding.

The SECRETARY (Mr. H. Parker Creasey) read the notice conver

The SEGRETARY (Mr. H. Parker Creasey) read the notice convening the meeting.

The CHAIRMAN stated that the mine had been mounted in an unprecedentedly short time, as from the time the first payment was made to the contractor until the mine was mounted he believed only six months elapsed. This was the first English hydraulic company which had chosen for its field of operation the district of Canca, Republic of Columbia, and the shareholders appeared to have no cause to regret having made the experiment. It was a matter for congratulation that the company had no water pollution troubles, the people of the district heigh most friendly disposed towards the congratulation that the company had no water pollution troubles, the people of the district being most friendly disposed towards the undertaking. During the short period the mines had been in work three runs had been made, each of an increased profit. £650 had been won altogether, the last run being particularly satisfactory, as under exceptionally adverse circomstances, consequent on the drought, a profit of £125 was made. The Chairman remarked that in consequence of so many of the shareholders in the old company not taking up the shares they were entitled to under the scheme of reconstruction, the present shareholders were greatly hencefitted, as the issued capital was now under £11,000. But, on the other hand, there were the liabilities taken over from the old company, as well as the balance due to the contractor for mounting the mine to be paid—some £5000 in all—but as these creditors had offered to take preference shares for a considerable portion of the debt, the board preference shares for a considerable portion of the debt, the board had decided, in conference with the larger shareholders, that the issue of preference shares was the most satisfactory way of raising thef unds required.

The meeting was then constituted an extraordinary one for the purpose of passing the resolutions of which notice had been

The CHAIRMAN said-I believe these preference shares will be The CHAIRMAN said—I believe these preference shares will be very profitable, and I do not think anyone outside should have the benefit of applying for them until they have been offered to the shareholders. They are to pay 15 per cent, and they will come as a first charge on the property. It may be said that the interest is high, but we have thought it advisable to offer considerable inducement; and, as the present shareholders are to have the opportunity of first applying for them, it seems a fair arrangement.

The CHAIRMAN moved the following resolution (1) That in accordance with the provisions of the company's Memorandum and Articles of Association, the whole of the existing shares in the capital of the company, namely, 160,000 shares of 5s, each, be divided into two classes of shares of 5s, each, no of which shall consist of 40,000 shares, which shall be called preference shares, and the other of which shall consist of 10,000 shares, and shall be called ordinary shares.

(2) That the directors be, and they are hereby, authorised to issue the said 40,000 preference shares, or such portion of them as they shall think fit, in all respects as is provided by the Articles of Association of the company with regard to the issue of new shares.

Mr. WHETSTONE seconded the motion, which we carried unani-

A vote of thanks to the Chairman terminated the meeting.

#### TASMANIAN GOLDEN GATE MINES, LIMITED.

The first ordinary general meeting of the Tasmanian Golden Gate Mines, Limited, was held on Thursday at the Institute of Chartered Accountants, Moorgate Street, E.C.

Mr. Daniel C. Grippiti, who presided, said: I think you will see that the presence of our advisory committee at the mine is a great safeguard to the shareholders, more particularly when I tell you that Mr. Dickinson has erected a house there, and is living in it. Mr. Andrews, the acting captain at the present time, lives within a stone's throw of the mine, and Captain Andrews, his father, the very skilful captain of the New Golden Gate, is quite within call. That the interests of the shareholders will certainly be looked after you will understand when I tell you that Mr. Dickinson, with his family in London and his interests in the Thorniley Syndicate, holds an interest is this company equal to 6,000 shares out of 105,000 shares issued; and that on this side, though, perhaps, it may seem boasting, your chairman (the when I tell you man in Dickinson, with a family in London and his interests in the Thorniley Syndicate, holds an interest is this company equal to 6,000 shares out of 105,000 shares issued; and that on this side, though, perhaps, it may seem boasting, your chairman (the managing director) holds about an equal amount. I have great pleasure in stating that in all probability—I can only put it in that way—Mr. Griffith Jones, who is no relation to myself, has been appointed underground manager. He was underground manager of the New Golden Gate, and gained great experience in the neighbourhood. We have engaged him by wire, but not had any letters to confirm that he has accepted the post we offered him; but I feel pretty certain it is an accomplished fact. We wired on Monday last for the lateat information at the mine, and on Tuesday received a telegram stating that the shaft was down the full 400 feet—to obtain which was the first object I named in my letter which accompanied the prospectus—and were sinking 15 feet to cut a well before beginning cross-cutting to develop the mine. In the cross-cut east they expect, in the course of a few weeks, to cut the Snake Reef, and later on the large reef shown in the plan, 23 feet wide, will be cut, and then a further reef of 15 feet will very shortly follow that. In the meantime we shall be cross-cutting west in virgin ground, and I am extremely hopeful that that cross-cutting will show us other lodes of which we know nothing. I am inclined to believe this, as in recent letters from Tasmania Mr. Dickinson informed us that water was coming into the shaft, and a further telegram indicates that the ground is becoming mineralised. This morning we received a telegram giving a word which has no meaning in our code. I am inclined to think our friends out there have sent us certain code words with meanings attached in a letter, which has not at present reached us; so that we have got to wire back for an explanation. I will now read you a cablegram received on Tuesday morning: "Depth cross-cutting as soon as possible." With regard to Mr. Dickinson's proposition, of which you have had notice, his first letter produced answers from the holders of 90,000 approving of his scheme; but when we took it to counsel to ask the best way to make this in legal order, we were advised that if we had a meeting it would be well to put it before the shareholders. Therefore, the statutory meeting has been called at the present time instead of later on, and now I believe Mr. Dickinson holds proxies for 40,000 shares. Therefore, if any gentleman should wish to oppose this proposal, I do not think he would have much chance of success. (Hear, hear.)

Mr. WILLIAM DICKINSON then formally moved the following resolution: "That in the opinion of the meeting it is in the interest of the company to make the remaining sum of 10s. per share, due on the contributory shares, payable on the following dates—that is to say, the sum of 5s. on the 31st day of March 1896, and the balance of 5a. on the 31st day of December 1896, and that the directors be instructed to give effect to this resolution."

Mr. L. P. SWINBORNE seconded the motion.

The motion was unanimously carried, and the proceedings closed.

The motion was unanimously carried, and the proceedings closed.

GOLD EXPORT FROM SOUTH AFRICA.—Cape Town, Decem-r 18.—The Union Line steamship Norman, sailing to-day, kes gold for Europe to the value of £159,123.

#### POLBERRO MINE COMPANY.

An ordinary general meeting of shareholders in the Pelber Mine Company was held yesterday, at the offices, 37, Waltroo E.C., Mr. John B. Reynolds (Chairman of the company) siding.

The statement of accounts presented was as follows:—Receipts: To arrear of call of May 2, 1895, £24 10s.; to call mad September 3, 1895 (1s. 6d. per share on the 18,000 chares of the company), £1350; less on 620 forfeited shares, £46 10s. to call of 1s. 6d. per share on 490 forfeited shares restored £36 15s.; to expenses in re 490 forfeited chares restored £36 15s.; to expenses in re 490 forfeited chares restored pair by defaulter, £5 3s. 6d.; to tribute on tin ores sold, £1 7s. 7d. to water rent (Captain Evans), one year to midsummer, 1895, 6d. to discounts from merchants, £11 2s. 6d.; to balance to the bankers, £220 4s. 1d.; total, £1602 13s. 2d.—Espenditure: By balance from last account, £347 4s. 1d.; by labou costs, £774 19s. 8d.; by merchants'and other bills, £448 2s. 4d; by minimum rent (less income tax), £19 6s. 8d.; by dues to the Duchy of Cornwall (less income tax), £19 s. 1d.; by dues to the Duchy of Cornwall (less income tax), £19s. 1d.; by dues to the Judy of Cornwall (less income tax), £19s. 1d.; by dues to the Judy of Cornwall (less income tax), £19s. 1d.; by dues to the Judy of Cornwall (less income tax), £19s. 1d.; by dues to the Judy of Cornwall (less income tax), £19s. 1d.; by dues to the Judy of Cornwall (less income tax), £19s. 1d.; by dues to the Judy of Cornwall (less income tax), £19s. 1d.; by dues to the Judy of Cornwall (less income tax), £19s. 1d.; by dues to the Judy of Cornwall (less income tax), £19s. 1d.; by dues to the Judy of Cornwall (less income tax), £19s. 1d.; by dues to the Judy of Cornwall (less income tax), £19s. 1d.; by dues to the Judy of Cornwall (less income tax), £19s. 1d.; by dues to the Judy of Cornwall (less income tax), £19s. 1d.; by dues to the Judy of Cornwall (less income tax), £19s. 1d.; by dues to the Judy of Cornwall (less income tax), £19s. 1d.; by dues to the Judy of Cornwall (less income tax), £19s. 1d.; by dues to the Judy of Cornwall (less income tax), £19s. 1d.; by dues to the Judy of Cornwall (less income tax), £19s. 1d.; by dues to the Judy of Cornwa The statement of accounts presented was as follows;

SECRETARY (Mr. F. J. Harvey) read the notice of vening the meeting.

The Chaleman said: Ladies and Gentlemen—One of the Chaleman said: Ladies and Gentlemen said: Ladies and Gentleme

The Secretary (Mr. F. J. Harvey) read the notice convening the meeting.

The Chaleman said: Ludies and Gentlemen—One of the shareholders in this company called upon me a day or two size, and said he had been advised, on Cornish authority, to sell on every Cornish mine share he had, excepting some few which were fully-paid, and upon which, consequently, there was miliability. Now I should not have thought it worth while togic promisence to this advice had it not been for the fact that the view is taken in many directions as being the correct one. The can be no doubt that the question has arisen in the mind every Cornish shareholder whether or not it is worth while to continue his risk. It is a question, moreover, of vital importance, and should be calmly and dispassionately weighed. I venture to suggest to the shareholder in question that the view take by his correspondent and the advice tendered were extrementally as the same of the same as beneficial innovations for not being able to prove to world that we can produce our tin at a much lower cost to we have done in the past. It is almost incredible that had not been for our manager, Captain Charles Thomas, the rock-dwould never have been introduced into Polberro Mine up to moment—(applauso)—and if you will read the report which now in your hands, you will see that whereas we have only disposed in the produced in the property of the property of the property of the produced in the property of the produced in three times as fast at least as we can with hand labour.

is innovation No. 1 on old Cornish methods at St. and I readily concede the credit due to our friends at Camb and Redruth, who have had the rock-drill in operation for and Redruth, who have had the rock-drill in operation for a time past. Again, as to stamps, there is a strong feeling prejudice still existing against Californian stamps, and prejudice must be broken down. (Hear, hear.) Prisanywhere means unenlightenment, ignorance, and obtained in these days, when the cost of production and voice say we will have none of it. (Hear, hear, cannot but think that the cost of dressing our tin will have be seriously considered yet by all the managers, and that cost of management generally will have to be overhauled. cost of management generally will have to be overhauled.
word, if a capitalist is to be expected to put his mone. Cornish or in other mining, he must satisfy himself, and satisfy himself, unless he is most unwise, that the cost of duction will be a matter of most serious consideration. ladies and gentlemen, I have ventured to detain you at siderable length on these questions, because we are all a that to us they are all-important, and ought to have careful consideration. I might say much more on these parts of the careful consideration. and argue the matter out still more minutely and definitely, but I have said enough to show y hope, that we may certainly look forward largely-increased consumption of tin. Secondly, to a Secondly, to a n less cost of production; and thirdly, we may, I be look forward to, at any rate, no increase in the suppl think from all I am able to read on this subject, and from have been able to gather from the first authority—I mean honourable member for the Mining Division, Mr. Strategier. (applause)—that in these three conclusions I occupy an absolution prograble position. And if these conclusions I occupy an absolution impregnable position. And if these conclusions are right, believe they are, then the man who says that it is a wise thin a holder of tin mining shares to clear out is wrong, and his vice is not only extreme and misleading, but such as, if follows the contract of t in Cornish mines of a chance of making money, the like of whas not transpired in living memory. Now, ladies and go men, for many years we have been at work in Polberre, as have had nothing but seller than the polarity with the colors of the colors. men, for many years we have been at work in Polberre, and have had nothing but calls; that is another statement which constantly being made, and which is absolutely true. We spent on the united properties of Trevaunance and Pola

1895. something like £37,000. Ladies and Gentlemen, the only thing I can say in reply to that statement is, that I am glad of it; not because we have taken so long to accomplish that which we have had to accomplish, not because of the few mistakes in working which we have naturally made, but because all this money may be said, for all practical purposes, to have been sunk, the crosscuts and levels which have been driven, the Waltro pany) pr pendid machinery which has been erected, to say nothing of all the other appliances, will bear fruit—and, I venture to say, abundant fruit—in the near future. There is one thing, at any nte, that is clear to me, and that is that the shareholders have a just appreciation of the value of their mine, and of the credit their company. It is nothing against an acabachalder to lowa:restored, pai £1 7a. 7d. r. 1895, 6d alance du—Expendi ; by labou 8 2s. 4d; b dues to the dues to the 9s. 1d.; be s), 2s. 3d. notice o ne of t r two sines to sell on few which hile togic t that th one. The e mind th while importar I ventu view take extreme extreme the moit may

rule, on. The sun, and ning in o worth of tin at surface, so that practically the one covers the worth of the actions our assets run into thousands, but we take no account of that. This is a Cost-book company which always does, or always ought to, put the worst side out; but if we had nd looki not, I a I forget t no confront
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MAY e cost t e up to only dri e rock-2d eros

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of their company. It is nothing against us, as shareholders, to simit most frankly that we thought we should have been in a amit most frankly that we thought we should have been in a profitable condition long before this; but it does say something for us to know that we are now, at any rate according to the very best authority, within measurable distance, or, rather, a short distance, of profitable results. (Hear, hear.) Captain Charles Thomas, our manager, knows his business as well as any miner in this country does, and he tells us emphatically that it is not in Polberro a question of exploration, but rather one of development. We are now, I am thankful to say, rapidly laying open our tin ground at crosscut No. 2, and I am very auxious indeed that the sinking of the shaft should be resumed as soon as possible, so that we may strike the Pink lode under Chappel's Downright and South House lodes and the lode beyond, but I will not anticipate the remarks which will be made to you by Captain Charles Thomas on these points. I think I must say, however, that our manager is right in not attempting to return any tin until we have it right in not attempting to return any tin until we have stamps at work. I am anxious before putting any proposition stamps at work. I am anxious before putting any proposition before you as to stamping power to have as large a quantity of tin ground laid open as possible, and, as you may suppose, I am not in a hurry to send any tin to market at the present temporary and absurd prices—(hear, hear)—and I think that if we can confine our cost to £300 per month we shall be wise to do so. My bopes are centred on No. 2 crosscut, the sinking of the engine shaft, and crosscutting south to the Pink lode. We have in these points the heart of the business, and upon these points we must fix our eyes during the next four months, unless Captain Charles Thomas can judiciously throw out feelers in other quarters. Our financial position to-day is exceedingly favourable—practically, we have a clear book. It is true we owe the bankers £220, but it is also true that we have about £200 worth of tin at surface, so that practically the one covers the

does, or always ought to, put the worst side out; but if we had been making out a balance-sheet we should have been bound to have taken note of the machinery and plant which we have on the property, free from all encumbrance whatever. The small asset of 130 forfeited shares may pass without notice. If being out of debt means being out of danger, we are in that happy position. We have here the essence of Limited Liability, with none of its drawbacks, and I would that every Cost-book mine was in a similar position—no arrears of call, no debts due and unpaid, cost anticipated by provision beforehand, no directors' or committee fees, everything conducted with the atriotest regard to anpaid, cost anticipated by provision beforehand, no directors' or committee fees, everything conducted with the strictest regard to economy, every item of expenditure most strictly investigated—these are the principles, ladies and gentlemen, which command the confidence this office enjoys; principles which at one time were regarded with ridicule, but which to-day are admitted to be the only principles which are in the least worthy of support, and which alone can be regarded as safe. And now, ladies and gentlemen, I have much pleasure in moving the adoption of the agents' report and statement of accounts, which I am sure will be received with unanimous satisfaction. (Applause.)

Mr. Strauss, M.P., said: Mr. Chairman, Ladies and Gentlemen—I have much pleasure in seconding the proposal made by me defin tin may coupy of , who he life are

men—I have much pleasure in seconding the proposal made by our Chairman, and, in expressing my hearty concurrence in all he has said in the admirable speech he has made to you, I should like particularly to endorse some remarks which struck like to experience see of s me as most applicable to this mine. That the cost of production is the main factor in the prosperity of Cornish mining has at last been recognised, and I feel sure that under the able management of Captain Charles Thomas, when the time comes to bring ment of Captain Charles Thomas, when the time comes to bring the tin to the market, he will use all the latest inventions, so that we shall show the world that tin can be produced as cheap in Cornwall as gold in South Africa. (Applause.) If you remember that South African mines consider themselves fortunate, and are considered paying mines when they produce 6 dwts. to the ton, surely we in Cornwall, having far greater value per ton than they have in South Africa, and having all machinery near at hand, should be able to compete with them, and I quite agree with our Chairman that if the capitalists were to put their money in Cornish mining, they certainly would have a

agree with our Chairman that if the capitalists were to put their money in Cornish mining, they certainly would have a chance of greater profit, both in the value of their shares, and in dividends, than in South African mining. If you would for one moment consider what this balance-sheet would be if it were issued on the basis on which South African mines issue theirs, you will see that we should have a capital account of £37,000, a sum which has actually been spent in machinery and in sinking shafts. It is one of the characteristics of Cornish mining that all expenses are taken as almost loss, and, therefore, the balance-sheet never shows in the favourable light in which other mines under Limited Liability show theirs. The Chairman has referred to me as an authority on the price of tin, and I feel greatly flattered n go sh St. Ag

Limited Liability show theirs. The Chairman has referred to me as an authority on the price of tin, and I feel greatly flattered by the compliment. Certainly, so far as my little knowledge goes, I should like to endorse the remarks he has made with regard to the future. At the same time, I shall not hesitate to

d that

quantities. You would hardly believe that, simply in card making in London alone, tons and tons of tin are used annually. It seems hardly credible that, simply for the tin foil which is used to envelope chocolate and sweets, which are generally made in South France, more than a thousand tons of tin are used annually. When you consider the quantity that is used on these trifles you will get some idea of the extent to which the use of tin would be extended if properly developed. I do not believe that the price of tin will diminish, and I repeat what I said here at the last meeting, that the consumption of tin shows a wonderful increase at present prices, as our Chairman informed you. The

We Poll

and, I fear, detrimental to the future. My conviction is, as I stated at the last meeting, that by the time we shall commence to stope and to stamp, the price of tin will be such as to pay us to stope and to stamp, the price of tin will be such as to pay us well for our labour, more particularly with our new machinery, and the latest improvements, which our Chairman intends to adopt. I see sometimes in the papers that people are saying it is a great pity that tin should not go up at once. Well, ladies and gentlemen, if we wish to have a happy and contented home, the first thing we "all', have to do is to sweep our rooms and put our house in order, and that is the process with which we are occupied now—(hear, hear)—and one that cannot be done in a day. The houses are being put into order and the position is gradually being rectified, and when that is accomplished, we may talk about the rise in tin. (Applause.) The accounts, as presented to us, are, of course, so clear that they need no comment, but I will make just one remark about the men we employ, and the miners in Cornwall generally. Of course, it is lamentable that they should have to work at the reduced rate of wages which they have to work for now, and it course, it is lamentable that they should have to work at the reduced rate of wages which they have to work for now, and it is lamentable that the price of tin should compel the mines to use that economy which they are bound to exercise to guard the interest of the shareholders. There is, however, no help for it at present. They have to suffer along with the shareholders. I myself consider it far better that they should have to suffer temporarily, with the chance of seeing a big improvement for the following four or five years, than that they should get a temporary rise now, and should have to suffer years later for the follies which may possibly be committed at the present time. With this low price for tin, and this lamentable state of affairs, it is all the more to be deplored that other difficulties should arise in the Mining Division. There is this water difficulty, which we at Polberro know nothing of, which I am afraid, as it stands, will send a number of men out of work. I do hope most sincerely that the committees of both East Pool and Wheal Agar, where this difficulty has arisen, will show a more conciliatory spirit than committees or both East Pool and Wheat agar, where this difficulty has arisen, will show a more conciliatory spirit than they have shown up to the present, and that this water question may be speedily settled. Whatever I can do towards this end, I will gladly do. I think that our prospects are as good as we could possibly expect, and I repeat that it is still my conviction that (unless unforeseen circumstances occur) by the time we are ready to bring our tin to market, we shall get a better and fairer write for our product. (Applause) and fairer price for our product. (Applause.)

The CHAIRMAN then read two letters which he had recently received from Mr. S. Payne and Mr. G. C. Hancock, both speaking very highly of the prospects of the mine.

Captain CHARLES THOMAS, having congratulated the Chairman upon the excellent speech he had delivered, read his report as follows:—

as follows :-

Since the last meeting we have completed the sinking of the Trevaunance engine shaft to the 50, and cut the plot to that level. The 50 cross-uty north has been started by rock drill, and is driven] is fathoms north of shaft. We are at present making an average speed of 2½ fathoms per week in this crosscut. About 5 fathoms north of shaft we drove through Chappel's Downright lode, which yielded 53 lbs. tin per ton. The present end is now 11 fathoms north of this lode, and we are daily expecting to cut the Bouth House lode. Two or three weeks' driving at our present average speed will bring us under the productive channel of tin ground driven through in the 25 crosscut above: Judging from indications in the 50, as far as we have gone, there is every reason to believe that the 50 will open up equally productive ground for stoping. We have nine men cutting south at the 50 preparatory to driving a abort crosscut south to the Pink lode. We may have to driving a abort crosscut south to the Pink lode. We may have to driving a abort crosscut south to the Pink lode. The lode in the 56 cast on Pink lode is 3 feet wide, and yields good stones of tin and copper. The costs charged include those incurred in the removal of the Turnavore boiler to Trevaunance, and the cost of repairs to and fittings for this boiler. These costs together with those for building the compressor house, and outlays consequent upon our commencing rock drill operations, amount to labout 2220. The rock drill contract has been set to Messrs. Holman Bros., who are driving at a satisfactory speed, and accomplishing very good work. Our immediate object is to drive the 50 north and south to intersect the several lodes referred to above. Seeing that the 26 crosscut gave such several lodes referred to above. Seeing that the 26 crosscut gave such the several lodes referred to above. Seeing that the 26 crosscut gave such the several lodes referred to above. Seeing that the 26 crosscut gave such the province of the coming is weeks is of the utmost importance. If

Proceeding to comment on his report, he said he would first refer to the Chappel's lode, which had been intersected at the 26 and opened on for 8 fathoms. They then commenced to sink a winze 4 fathoms to the west of the crosscut, and having sink a winze 4 fathoms to the west of the crosscut, and having sunk it 14 feet, they cut water, and from that time had not been able to continue the sinking. In driving on the 50 fathom level crosscut north, they were unfortunate in not cutting any water at all, but samples taken from that point yielded an average of 33 lbs. to the ton. It was thought advisable to extend the crosscut further north in order that they might intersect the South House lode and the branches alluded to in the report, which were 7 fathoms wide. They therefore numbed a crosscut the South House lode and the branches alluded to in the report, which were 7 fathoms wide. They, therefore, pushed a crossout on with all speed from that point, leaving the Chappel's Downright lode. So far as the South House lode was concerned, they were now expecting daily to cut it. They had opened on the lode at the 26, 11 fathoms, and the part carried first 6 feet wide, and would yield for that distance from 30 to 35 lbs. to the ton. Then in driving about 5 or 6 fathoms atill further postly wide, and would yield for that distance from 30 to 35 lbs. to the ton. Then in driving about 5 or 6 fathoms still further north at the 26 they intersected the branches 7 fathoms wide, which yielded from 30 to 33 lbs. of tin to the ton. They expected to cut the South House branches within two months at the 50 fathom level. As to the Pink lode, they had very considerably improved from the 14 to the 26 fathom level. For some fathoms in length in the 26 east they had a lode which yielded from 8 to 10 tons of sulphurous mundic per fathon. With these points in view he thought there was every reason to hope great things of the mine, seeing that there was not one instance on record in which such a junction of lodes had not instance on record in which such a junction of todes had not been attended with success. He was very thankful that the shareholders at the last meeting had given their consent to the rock-drill, for without it he thought they would have been able to do very little. By the aid of the rock-drill they were able to drive three times as fast as by manual labour, and the cost would be about the same. They had sufficient pumping power to cope with all regard to the future. At the same time, I shall not hositate to comment upon the remarks which I consider to be not absolutely correct, and I shall commence by saying that I must differ from your Chairman when he says that the more tin the Straits Settlements send us, the less we shall have in the future. Unfortunately, experience has shown that while 15 years ago we got a little, instead of that little becoming less and less, it has always become more and more, and I am afraid there is plenty of tin left there. The Chairman would like to know how this tin is used. It would, perhaps, astonish you if you were to hear some of the uses to which it is put in large on new machinery they would be able to describe the same. They had sufficient pumping power to cope with all the water, and the machinery was in good order, and equal to any of the kind in the county. The skip-road was also working well, and in good condition. He believed that, with the aid of improved machinery for stamping, they would be able to decrease the labour cost by at least 75 per cent., and by putting on new machinery they would be able to effect a saving of from crease the labour cost by at least 75 per cent., and by putting on new machinery they would be able to effect a saving of from 10 to 15 per cent. in tin, which was now going down the river. The speaker, in conclusion, advised the shareholders to heartily support the carrying out of the proposed improvements.

Mr. Bishor enquired what the extra cost of producing by the rock-drill would be?

Captain Thomas replied that it would be very little. Steam-power was used for compressing the air, and this would cost 20s. 30s. per fathom extra. Mr. Bishor: Do I understand that 33 lbs. of tin to the ton is a

Nyable quantity?
The Chairman: Certainly, when a large quantity is being

fulincrease at present prices, as our Chairman informed you. The excess of production over consumption was less during the last 12 months, than it was during the previous 12 months, than it was during the previous 12 months, and I feel fully convinced that within the next 12 months there will be no excess whatever, and that the equilibrium will be properly established. That will be the time for starting the movement upward. To hope that the price of the will have any considerable rise before that would be foolish,

The motion for the adoption of the report and accounts was n put and carried unanimously.

The CHAIRMAN then moved :-

That to meet the requirements of the company for the next three months a cal lof is, \$6, per share on the shares of this company be and is hereby made, payable to the bankers of this company. Messrs. Bolitho, Williams and Co. (Limited), late West Cornwall Bank, Truro, on or before Friday, January 10, 1896.

Friday, January 16, 1898.

In moving the resolution, the Chairman said that according to the very best of his judgment that would be the last occasion upon which he would have to propose such a motion. The operations to be carried out during the next four months were fraught with the highest importance, and he believed that when next they met the aspect of the company's affairs would be altogether changed. Captain Thomas had assured him that the mine partook as little of the character of a speculation as any mine he had ever known. Nothing would induce him to go on under the present circumstances were he not confident of speedy and great success. This was the strong conviction of his mind. and great success. This was the strong conviction of his mind, and he might mention that he held three times as many shares

in the mine as anybody else.

Mr. Budd seconded the motion, and it was carried unanimously

Mr. Grass then moved :-

That the best thanks of this meeting be and are hereby presented to the Committee of Audit and Finance for their past services, and that the following do constitute such committee until the next general meeting of the company—viz., Mr. A. Strauss, M. P., the Hon. Ashley Ponsonby, C. C., Messrs. S. Payne, G. C. Hancock, C.C., P. W. Michell, and Captains Charles Thomas, John Harper, Joel Hopper, and John Williams, with the addition of Mr. N. S. Bullen, cf 7, The Parade, Truro.

In moving the resolution, he said he felt sure the committee ere composed of men of unimpeachable integrity and straight-

e motion, having been duly seconded, was carried unanimously.

A hearty vote of thanks to the Chairman terminated the proceedings.

UNITED GOLD FIELDS OF MANICA (LIMITED).

The ordinary annual general meeting was held on Wednesday, at the Cannon-street Hotel, Mr. W. M. Farmer presiding.—
The Chairman said that, in consequence of the accounts not having arrived from Massi-Kesse and Manica, it was proposed that the meeting should be adjourned until January 29. He reminded the shareholders that the company was formed in 1892, and that it was a reconstruction of the old Manica Company, which had confined itself chiefly to prospecting. On this company taking possession, the board appointed Messrs. Bewick and Moreing as their engineers, and the representative of the firm, after examining the work already done, advised that the reef should be attacked by three adits. That was done, but the work was eventually stopped by water. The expense connected with this work was very great, and until the railway was extended from Chemoio to Umtali, it was not advisable to do any deep mining below the water level. Two new directors had been appointed, and he thought that the whole tone of their affairs in South Africa gave much better promise of good results than had ever been gave much better promise of good results than had ever been the case before. Mr. Ferguson had gone out to South Africa, but, unfortunately, when work was commenced, and the reef was intersected, it was found to be barren in two out of the three places at which it was struck. This, however, although it was disappointing, only referred to two claims out of 50, and there was little doubt that payable stone would be found on the proporties. Their presents resisting was that they had expended properties. Their present position was that they had expended on the development work and management expenses about £12,000, against which they held a large number of shares in several other companies to the value at par of £9800, and these, when realised in cash, would nearly replace the working capital spent.

NORTHERN WEALTH OF NATIONS (LIMITED). NORTHERN WEALTH OF NATIONS (LIMITED).

The first general or statutory meeting of shareholders in the Northern Wealth of Nations (Limited) was held yesterday, at Winchester House. According to the Chairman's statement it appeared that the company was incorporated on August 21 last, the directors proceeding to allotment on the 30th of that month. The sum of £10,000 for working capital was duly provided, with an additional £2000, so that they had £12,000 will the for that purposes with £3000 still uniqued. wided, with an additional £2000, so that they mad £12,000 available for that purpose, with £3000 still unissued. They had appointed Mr. T. H. Rowe as mine manager—a gentleman of appointed Mr. 1. H. Rowe as thine manager—a gentleman of considerable experience in quartz mining. He had already arrived on the property, and had sent the following cablegram:—
"If the Wealth of Nations reef continues, it must pass through your property. I have found some stone already broken on your concession, and have got fair prospects. Yours will compare favourably with the adjoining properties."

TRANSVAAL ESTATES AND DEVELOPMENT COMPANY

TRANSVAAL ESTATES AND DEVELOPMENT COMPANY (LIMITED).

In moving the adoption of the report for the year ended September 30 last, at the general meeting of this company, held on Wednesday, at Winchester House, Mr. G. M. Kiell said since they last met the capital issued had been increased by £77,400, the 64,300 shares authorised for the purpose of acquiring the President Land and Exploration Company's properties, and an additional issue of 13,000 shares from the reserve, so that they were now in a strong position, and had a working capital of about £59,000. The premium received on the issue of 30,950 shares in 1890 amounted to £15,475, which they had decided should be treated as a reserve fund, and with it they proposed to wipe out the old balance of excess of expenditure over income, which would leave them a balance of about £677 to the credit of the reserve fund. The properties acquired from the President Company brought up their holdings to 203 farms, including 20 parts of farms measuring about a million and a-quarter acres, distributed over the various districts of the Transvaal, many of them in close proximity to proved gold-bearing properties and a number of them traversed by lines of raifways, completed, in course of construction, or projected. Their total receipts, including interest and profits on sale of investments, amounted to £2916, and as the result of their operations there was a balance to credit of £315, which, he thought, very satisfactory, considering the heavy expenses they had been obliged to incur, and next year he expected to see this reach between £6000 and £7000. Now that they were in a strong position they intended to take steps to develop their property. From time to time they had received encouraging reports as to gold prospects on several of their properties, but with their small resources they had been unable to do anything with regard to the matter; now, however, they intended mall resources they had been unable to d thes, but with their small resources they had been enable to do anything with regard to the matter; now, however, they intended to appoint a competent engineer, who would proceed to the places indicated and advise the board as to whether it would be advisable to spend money in opening them up. Of course, he did not for a moment mean to say that their present capital was sufficient to develop 2000 square miles of territory, but they had enough to undortake the initial work where it was thought advisable, and if the reports they had received proved correct they would have no the reports they had received proved correct, they would have no difficulty in getting whatever capital was required, with, he hoped, great benefit to the shareholders. He might say that on properties adjoining several of their farms valuable gold reefs had been found, and in some instances companies had been formed to work them? -The report was adopted.

IRON ORE MINING IN SPAIN.—Two short lines of railway ar rapidly approaching completion in Spain—one between Lucatain and Aguas Amargas, and one between Bedar and Garruc'is, wit the view of opening up a large new iron ore district in the province of Almerica.

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#### C. PASS & SON (Limited), BRISTOL,

LEAD ASHES, SULPHATE OF LEAD, LEAD SLAGS, ANTIMONIAL LEAD, COPPER MATTE, TIN ASHES, &c. and DROSS or ORES containing TIN, COPPER, LEAD, AND ANTIMONY.

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Gold and Silver Assays, 7s. Cyanide, Amalgamation, hlorination, or Concentration Tests, including assays, 14s, each, Also Special Facilities for Testing Large Parcels of Ore, Pupils Received.

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Ores, Mattee Begulus, and Bars received and prepared for market. Copper, Lead, Tin, Spelter, and Pig Iron Received, Weighed, and Sampled, and Warrants issued against same.

N.B.—Warrants are on Accepted List of London Metal Exchange.
Regular lines of steamers from America, Europe, &c.
Good prices can be obtained for low produce Copper Ores. Send fair samples of not less than half a pound.

#### THE BUTE WORKS SUPPLY COMPANY, 133, BUTE DOCKS, CARDIFF.

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RAILWAY WAGONS (New and Second-hand) for Cash, edemption Purchase, or Simple Hire. Full particulars on appli-

EARTH WAGONS.—75 side and end tipping, 30-inch gauge, new frame, and new tops, STEEL wheels and STEEL axles, £5 each, f.o.t. Cardiff.

RATLS .- Bridge, Flange, Double Head, and Bull Head, with or

SLEEPERS .- Wood and Steel for all gauges.

LOCOMOTIVES.—Six wheels coupled, by Manning, Wardle and Co., 12 inches by 17 inches, now at Cardiff; also six wheels coupled, by Avonside Engine Company, 14 inches by 20 inches, now near Cardiff; also six wheels coupled, by Sharp, Stewart, and Co., 17 inches by 24 inches, now near Cardiff; all recently thoroughly overhauled, and ready for instant work; cheap for cash, or three years' redemption purchase.

#### COMPANIES AND LEGAL ANNOUNCEMENTS.

Advartisements are inserted in this column at the rate of pd. per line with a minimum charge of 7s. 6d.

#### THE HAURAKI GOLD MINING COMPANY (LIMITED.)

NOTICE IS HEREBY GIVEN that a DIVIDEND of 1s. per share, free of income-tax, will be paid on and after the 3rd day of January, 1896. Holders of Share Warrants must lodge Coupon serial No. 3 at the Company's Office, 97, Dashwood House, New Broad Street, London, E.C., three clear days for examination.

By Order,

W. J. LAVINGTON,

Secretary

Secretary.

London, December 18, 1895.

#### THE JOHANNESBURG CONSOLIDATED INVEST-MENT COMPANY (LIMITED).

NOTICE IS HEREBY GIVEN, that the Transfer Books of this Company will be CLOSED from the 1st to the 10th January, 1896, both dates inclusive.

By Order, THOS. HONEY,

London Secretary.

7, Lothbury, E.C., December 17, 1895.

#### THE

#### FRONTINO AND BOLIVIA (SOUTH AMERICAN) GOLD MINING COMPANY (LIMITED).

TOTICE IS HEREBY GIVEN, that the ANNUAL MEETING Of the Shareholders of this Company will be held at Winchester House. Old Broad Street, in the City of London, on TUESDAY, the 31st day of December, 1895, at Two o'clock p.m., for the following purposes: —To receive the Report of the Directors, and the audited Statement of Accounts of the Company for the six months ending the 30th Jane, 1895; to declare a dividend; to elect a Director; to elect an Auditor; and for other business. The Transfer Books of the Company will be Closed from Friday, the 3rd of January, 1896, until Friday, the 10th of January, 1896, both days

By Order of the Board, J. JAMESON TRURAN, Secretary.

184, Gresham House, Old Broad Street,

London, E.C., December 18, 1895.

WEST AUSTRALIA,-PERTH, December 19: The Government has granted general exemptions from labour covenants in the Cool-gardie district for two months, commencing yesterday.

RAND EXPLORATION AND INVESTMENT COMPANY (LIMITED) On and after December 23, the London agency of the company will be removed to Throgmorton House, 15, Copthallavenue, London, E.C.

### The Illining Yournal, RAILWAY AND COMMERCIAL GAZETTE:

An Illustrated Record of Mining, Metallurgical, Railway, Financial, Industrial, and Engineering Progress.

#### ESTABLISHED IN 1835.

THE MINING JOURNAL, RAILWAY AND COMMERCIAL THE MINING JOURNAL, RAILWAY AND COMMERCIAL GAZETTE, published every SATURDAY MORNING, price SIXPENCE, is recognised throughout the World as being the oldest, most influential, and most widely circulated Journal devoted to the interests which it represents. It circulates ALL OVER THE WORLD, Amongst Mine Owners, Capitalists, Investors, Mining, Metallurgical Engineers, Manufacturers, &c., &c.

THE MINING JOURNAL, RAILWAY AND COMMERCIAL GAZETTE has correspondents and sources of information in almost every quarter of the globe. Its policy is absolutely independent; its circulation is cosmopolitan.

THE MINING JOURNAL is neither controlled were in conv.

THE MINING JOURNAL is neither controlled, nor is any interest in it held or exercised, by any mine owner, speculator, or syndicate; and it is in no way connected with any share-dealing agency.

TO CORRESPONDENTS.—Letters on Editorial Matters, or containing literary contributions abould be addressed to "THE EDITOR." All matter intended for insertion must be written on one side of the paper only. The return of rejected manuscripts cannot be guaranteed. The Editor invites correspondence and items of news or information from readers in all parts of the World.

TO SUBSCRIBERS. - The Annual Subscription to THE MINING ding postage, is for : The United Kingdom, £1 4s.;

The United Kingdom, £1 4s.;

Abroad, £1 8s.;

payable half-yearly in advance. It can be purchased at all Raliway Bookstalls and Newsagents throughout the United Kingdom for 6d.

TO ADV ERTISERS.—The following is an abbreviated Scale of Charges for Advertising: — Companies' Prospectuses, £12 12s. per column, or £20 per page; Companies' or Legai Announcements, 9d. per line, with a Minimum charge of 7s, 6d; Sales by Auction, Publications, For Sale, Wanted, &c., &c., 8d. per line with a Minimum charge of 4s.

Displayed (Trade) Advertisements of 2 inches in depth (or more), Single Column measure, will be inserted at the following rates:—For 52 insertions 2s. 6d, per insertion for each inch in depth; for 25 insertions 3s. per insertion for each inch in depth, Terms for special positions and contracts may be had on application.

ADVERTISEMENTS (which should in all cases be sent direct to THE BUSINESS MANAGER can now be received for the forthcoming issue of THE MINING JOURNAL, RAILWAY AND COMMERCIAL GAZETTE, on FRIDAY, at 18, FINCH LANE, E.O., up till 6 p.m., and at 3, DORSET BUILDINGS, SALISBUEY SQUARE, E.O. until 9 p.m.

Editorial and Advertisement Cate 18, FINCH LANE, LONDON, E.C.

Telegraphic and Cablegraphic Address: "TUTWORK, LONDON."
Codes used: "A.B.C.," Moreing's, and "Universal."

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#### LONDON: DECEMBER 21, 1895.

#### GOLD IN CHOTA NAGPORE.

E publish to-day a Router's telegram which, under the somewhat curious heading, "Gold Found in India" (suggesting that REUTER has never heard of Mysore) gives news that the Indian Geological Survey has struck a very rich reef whilst prospecting in the Chota Nagpore district. If it be true that the Indian Government has ordered the erection of stamps for trial crushing-which statement we do not, however, receive with unquestioning credulity-then we presume that something substantial has been proved to exist. rate, the Indian Government will not have needed to go very far to pick up a second-hand stamp mill, and ought, moreover, to be able to buy it on very reasonable terms. We have as yet experts was at last sought, with the result that no means of judging of the correctness of this telegram, nor of gauging the value of the data upon which it is based. All that together like a house of cards, and the boom collapsed even we do know is the previous history at Chota Nagpore and its last great gold boom. But faint echoes of the latter ever reached | there were not more than a couple of these numerous mining this country, and in view of this dispatch it may be worth while putting its salient features on record briefly. Of course, the mere fact that previous gold mining experiences in this mining industry-if such it may be called-into existence by province turned out disastrously is no argument whatever, the application of foreign capital, but, we believe, without

either for or against the next venture proving a brilliant success Scores of gold miners must have passed over the banket beds of Witwatersrand again and again on their way to the diggings at Pilgrim's Rest, without the least idea that they were turning their backs upon an enormous gold region far richer than the one they were going to seek. In spite of our boasted geological knowledge, we still know very little about the causes that determine the formation of mineral deposits in any given district, or any given stratum, and the Cornish miner's "Where it is, there it is," is still worth all the theories of mining geology put together. For every one deposit found by geological reason. ing, there are at least a hundred that owe their discovery either to patient, laborious toil, or to sheer accident. In prospecting, more than in any branch of mining, it is still any odds on "strength and stupidity," against science and theory. So that it is perfectly credible that a new rich deposit may have been struck in a region that has not hitherto been noted for anything of the kind.

The first mention of gold in this district—which half a century ago was, it must be remembered, rather difficult of access seems to be in a memoir by Lieutenant Tickell on Singh. bhoom, published in 1840 by the Asiatic Society of Bengal, in which he states that a considerable quantity of gold was washed in Singhbhoom. Captain HAUGHTON, in 1854, confirms the fact that the natives wash for and collect gold in the Singh. bhoom district, and states that the gold of Sonapet is considered the best. In 1868, Dr. Ball contributed a paper on the occurrence of gold in the district of Singhbhoom to the records of the Goological Survey of India, in which the existence of alluvial gold is distinctly recorded, together with quantitative results, which show that the gold-washers' earnings were small indeed. This was followed by a fuller paper in 1881 by the same author, in which the occurrence of alluvial gold in various parts of Chota Nagpore was treated in much detail. Dr. Noetling contributed his "Notes on the Sonapet Gold Field," to the Records of the Geological Survey of India in 1890, in which paper the author describes the comparatively poor alluvial washings, and expresses the view that the gold was originally disseminated through the metamorphic rocks of the region, and had been derived from their disintegration, and he adds that "Whilst he will not deny that there may be quartz reefs, if they do exist they have still to be discovered." In 1891, Dr. King and Mr. Porz published a little book on gold in Chota Nagpore, in which they set forth with much detail the history of the district which we have condensed as above, and then drew a number of conclusions from the evidence they had collected. They consider it proved that the southern half of the Chota Nagpore Province is certainly an alluvial gold field, and that the gold must have been derived from the country rock of the "transition tract," or from reefs in it. Quartz reefs (not proved to be auriferous) occur in this tract, and there is a tradition of one reef which is said to have been mined for gold. The most curious thing is that some unknown race of men had mined all over this country for copper in reefs, and if gold reefs had been plentiful it is incredible that these, too, should not have been worked by them.

Such, then, was the state of general knowledge respecting the occurrence of gold in Chota Nagpore, when, about 1890, the Bengal Nagpore Railway, branching off from the East Indian Railway, at Asensol, was constructed through this province. Public attention was thus directed to these fields, and in a short time a "boom" of most exaggerated dimensions was fairly convulsing Calcutta. The Calcutta merchants soon found themselves in the paroxysms of a gold fever, which was none the less violent for being short-lived. Companies with considerable capital, most, if not all, of which was subscribed locally, were floated on the very vaguest prospects, the mere fact that a piece of land was within Dr. King's "transition tract' appearing to have been taken as ample justification for demanding a large sum for it, and for forming a company to exploit the riches which it ought to have contained. By October, 1890, some fifteen or sixteen big companies had thus been formed, the very names of which-such as Dhadka, Dumra, Patkum, Patpat, Sonapet, &c. -only too well remembered in Bengal, are utterly unknown in this country. Most of these various companies, with but few honourable exceptions, were managed by men whose principal qualification seems to have been that, as they had never seen a gold mine before, they could not bring any unfair prejudices founded on previous experience to bear on their task. Prospecting went on actively, reefs, or what were taken for such, were daily discovered, large sums were invested in machinery, gold began to be sent down from, at any rate, one mine, a newspaper specially dedicated to the gold mining industry was started in Calcutta, shares were bought and sold at many times their nominal value-in a word, none of the usual symptoms of a pronounced gold fever were wanting. Nothing occurred for some time to shake public confidence; if most of the companies were making no returns, it was because they were still only prospecting, and, at any rate, there was always the gold produced by one district to be seen in Calcutta itself, not a very large bar, it is true, every month, but still solid substantial proof that gold was there. Then, without any warning, came the crash. Sometime about the beginning of 1892 it was accidentally discovered that the crushings of the mine that had been the main, if not the only, producer on these fields had been systematically salted by certain persons connected with the local management. This weakened public confidence, and when at this late stage the advice of gold mining unfavourable opinions were expressed, the whole edifice toppled more rapidly than it had originated, until by the end of 1892 companies left, dragging out a very dubious existence. Attempts were subsequently made to once more galvanise the

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and more than enough, indeed—seeing that the rapid shrinkage of the value of silver was about that time threatening most serious disaster. Public confidence, once so rudely shaken, was never restored, and, as we have said, the fall in the value of the rupee was not calculated to foster speculative enterprise in Bengal.

This is, in brief, the true history-or, at any rate, as accurate a history as is ever likely to be written-of the great Chots Nagpore gold boom. What substantial foundation there was for itis difficult to determine. It cannot well be ascertained how much gold was ever won from the district; probably there was not a ousand ounces, possibly not a hundred. Many of the supposed reefs were stringers that pinched out at moderate depths; others showing small prospects at the surface (say 3 to 4 dwts. per ton) were barren of gold at a depth of 100 feet; others never had shown any gold at all, nor anything more like gold than a few mecks of copper pyrites; others were branches of absolutely barren white quarts. A great deal of prospecting was done over a district some 180 miles long by 25 miles wide, and an immense amount of money spent, without bringing to light a single payable, or even fairly promising, gold reef.

There is only one inference that can legitimately be drawn from the above facts, and that is that new discoveries in Chota Nagpore ought to be thoroughly investigated and examined by independent authorities before they are looked upon as proved, or before many thousand pounds are spent upon putative valuable properties. We need hardly say that no one will be more delighted than ourselves if this field should, after all, after having passed through so many vicissitudes, prove to be a payable gold field; and we need hardly remind our readers that every important gold field has, at some time of its history, had to pass through similar phases of existence. We are, above all, desirous that this new discovery, if such it be, should receive fair, impartial, and thorough trial, and this result will, we concoive, be best obtained by proceeding with the utmost circumspection. Finally, we might suggest that no geologist, qua geologist, is the proper authority to pronounce as to the payable or non-payable nature of a gold reef. This is a question that should be left entirely to the decision of a mining engineer experienced in gold mining in all its forms, and in widely different localities, whose training and practical knowledge will teach him to attach their due value, and no more than their due value, to the rarious phenomena he may observe, to relegate purely scientific ata to a secondary position, and to place in the first rank the vital question of commercial success or failure, who will, in a wed, not spend more than 20s, in getting out a pound's worth d gold. Let the Indian Government call in the services of such mengineer, and under such auspices we could with confidence wish all success to the phomix-like gold field of Chota Nagpore.

#### "SIMULTANEOUS" COMPANY PROMOTION.

N able and a timely article, under the above caption, from the pen of Mr. FRANK SAFFORD, Recorder of Canterbury, appears in the current issue of the Chamber of erce Journal, and we recommend investors who are seekig legitimate and bona fide means of adding to their income "read and inwardly digest" it. We ourselves have never and of drawing attention to and denouncing, in the strongest nguage at our command, the unprincipled and, we might add, candrelly tactics of the wary promoter, and we welcome, therem, any effort to expose their evil practices, and to put a guilepublic upon their guard. We have some grounds for hinking that our efforts have not been in vain. We believe hat some little good has been done. The evil, however, is ndeep-rooted that only persistent digging will remove it, and men that would be ineffectual if those for whose benefit the wak is done, turn away from it with unconcern. Over and mr again have they been bitten, and yet in spite of it they alk calmly into the trap which only the dullest of visions could at detect. It is only when they are fast that they cry out for ap, and to those very people whose efforts for their good they mated with indifference. The latter magnanimously render m further assistance, but, unfortunately, they cannot restore material loss these foolish ones have suffered. The "simulbeous" method is the latest phase of company promotion— this, as far as England is concerned—and it is one which, til it is explained, somewhat mystifies the investor, inal capital between them. They make certain arrangewith brokers, and the shares appear within a or two in the newspapers as being bought on the Exchange at £3. The public, not appreciating the may the £1 for each of their shares, settle with the broker, CLEVELAND himself, in his human moments, cannot but confess specket the difference as their reward for promotion, and, I this.

Calcutta by that time had had enough of gold mining suppose, congratulate themselves with the reflection that should the public hereafter become irate and think the matter a swindle, the public has, at any rate, that which it boughtnamely, £1 shares in a company."

Thus the promoter can defraud the public, with impunity, at his own sweet will, with absolutely no fear of justice overtaking him. There is no legal machinery which can effectually check his rascally machinations. The investor has but one remedy, one which can be as effective as legal enactment. He can use a little cir cumspection. Only a little is needed. No depth of insight; no metaphysical analysis; no remarkable business aptitude is required. When such companies are brought to his notice, let him pass by on the other side. He need not necessarily hold his handkerchief to his nose, or turn away his face in contempt, or his eyes up in horror. There is no binding obligation upon him to lose his dignitynor his head. He may retain both. He can be independent without making himself con spicuous, and his calm and unexcitable action in this manner is likely to more beneficially and completely carry out the object he has in view. This alone can reduce the promoter to despair. What he wants is money, and to withhold it is the worst, and most unendurable, punishment that can be meted out to him. The system in question appears to have been imported from Germany, a country from which we have imported many things incapable of undergoing a severe test. But even in Germany, as Mr. SAFFORD points out, it has become so unsavoury "that the Berlin Stock Exchange has forbidden all shares being dealt in when no prospectus exists, and an Imperial Commission, which was appointed for the purpose of enquiry into the matter, has reported in favour of legislation making the issue of a prospectus (or statement of what the property of the company is) compulsory as regards all shares which are to be dealt with publicly." We, therefore, join with the writer in appealing for legislative enactment for the safety of the public, and we hope that the matter will be taken up seriously by a'l sections of the community until it becomes effective. The system in question is a menace to public welfare and safety, and it is the duty of our legislators to provide the remedy. We also join with Mr. SAFFORD in appealing to the Stock Exchange committee to assist in this worthy object, and to imitate, at the very least, the example set them by their brethren in Germany. They are under a moral obligation to protect the public, and we hope, for their own honour, they will take effective means of discharging it.

#### YANKEE BLUFF.

RESIDENT CLEVELAND must be sorry now that he spoke. At least that must be the opinion of all persons who are not blinded by inordinate conceit. Whatever ideals he may have formed, and may desire to aspire to; however sacred he may consider his duty to be, Mr. CLEVELAND is after all-no matter what he may think himself-but a human being, and must possess a weakness or two somewhere. These weaknesses are ambition and conceit, which in him, to his mis-fortune, are abnormally developed. But when the former is gratified it lies dormant, and does not impel him to forfeit the respect of a civilised world. Now, however, his ambition is placed in jeopardy, and fearing to be defeated, it will seek victory at any hazard-honourable or ignoble. It has, as it nature is, chosen the latter, and its act has deservedly met with the scorn of an enlightened world. Ambition thus being grovelling, conceit is blind, and conceit has spoken where wisdom would have kept silence. Never yet has it concerned itself with other than its own interests, for the simple reason that it thinks itself the mover and the pivot of the universe. Thus, we may conclude that Mr. CLEVELAND is not sorry, nor will he be until his fate at the elections is sealed. If elected, his ignorance and his arrogance must smite his conscience; if defeated, he will not be compensated by the respect and admiration of humanity. At any rate, he has proved h imself unworthy to occupy the position he at present holds. He seems to be as ignorant of diplomacy as of international law; but 'apart from that, a man who has sordid ends alone to gain, is not the one to uphold the dignity of a great power. It is not as if he alone suffered. The whole nation must be dragged down with him, unless it speedily and emphatically express its resentment at his arrogant and undignified attitude. But only the enlightened few have made haste to do this. They have been amazed, as naturally they would be, at the egregious folly of their President. It is only the Jingoes, the dullards, the visionless who is, however, simplicity itself. When a company promoted on this system no prospectus is issued, a God of deliverance. To a wise man, to one who possesses "consequently," as Mr. Saffond pointedly and observes, "the promoter is not harassed to the highest post, this should serve as a great lesson. the reflection that he will have any awkward should be guided by the wisdom of the nation, and not by ments in writing which will be brought up in evidence its ignorance; and should certainly esteem the approbation winst him should the company go wrong. There is, in fact, of the former, and not the applause of the latter.

Whing recorded. He starts the company by himself, or It is fortunate that we are able to read Mr. Cleveand his friends or clients, taking the whole capital of the LAND. It is well for us—though unfortunate, personally, Company (Limited), the Chairman, Mr. Henry Weld-Blundell, pany between them 'simultaneously.' The shares are then for him—that we can divine his motives. Though his message ton the market at a premium, and the promoter and his created universal amazement, it has not been taken seriously and take the premium as profit by way of reward for pro- Jingoes—have alone attached much weight to it. The Mining dion." Or, to employ a most simple illustration: —"Thus, No same person could take it thus; the insanest—that is, the startance, Brown starts a company and calls it a Bank or Market—the one with which we are intimately concerned—has tompany, with a capital of £100,000, in £1 shares. He suffered somewhat. At the present moment it takes little to affect as no prospectus. He and his friends take the whole it. It has not sufficient stability as yet to withstand much Holders are ready to sell on the slightest provocation-even though that provocation be of the insanest. All are agreed that war is absolutely impossible. Even the French -who certainly have no depth of affection for us-support Lord once between a quotation on the Stock Exchange, and Salisbury in his firm but dignified attitude. Hostilities between ags on the Stock Exchange, cannot miss so good the two nations would be tantamount to a civil war. It would Prortunity of purchasing such rising shares. They come in be unnatural and unholy, and, therefore, cannot be conspurchase at £3 per share. Brown and his friends pay the templated in these days of civilisation. Even President

SHEBA.

WE are quite satisfied with the explanation, given by the Chairman of the Sheba Gold Mining Company, of the contradiction given to the cablegram from our Johannesburg Correspondent in August'last as to the discovery of a new reef on the property. Last week we expressed the hope that the explanation would be given, and we are now pleased to see that the directors have entirely exonerated themselves from the blame which was naturally at first attached to them. The Board, upon learning the nature of that cablegram, cabled out to their manager for confirmation. The manager's reply-not by any means a clear one-was a denial. The directors thereupon did the only thing that duty dictated to them, and that was to make public the nature of that reply. Only a few weeks elapsed, however, before complete confirmation arrived in a letter of the manager's, dated as late as October 4. What strikes us very forcibly in connection with this is that it is strange others should know more of what took place than the manager himself, and that they should know, not a day or two before, but weeks before. However, we will not enlarge upon this, but proceed to congratulate everybody on the discovery of the reef, which has certainly put a brighter complexion upon the prospects of the company. It has minimised to some extent the disaster of the past year, in which the company, of course, was extremely unfortunate. It was a thousand pities, that just when things were looking hopeful, a flood should occur, and do enormous and really heartrending damage. It had the effect of retarding progress. It actually stopped work for a period of four months, whilst only 50 stamps could be put into operation out of the 60 erected. But as regards other conditions, as Mr. Sopen very forcibly pointed out, the company is in a better position than it has occupied before, and of this fact the shareholders appear to be cheerfully aware. They have accepted the inevitable with good grace, and this must be greatly consoling to the directors, who are earnestly and untiringly working for the prosperity of the company. They are not to receive a dividend. "Well, it cannot be helped, and we must make the best of it." There has been a heavy loss, owing to a great misfortune. "Well, we must cheerfully abide by it; it might have been worse." Such is the attitude of the shareholders—an attitude supported by commonsense and prudence. For ourselves, we repeat, we are fully of opinion that the prospects of the company are cheering, and in expressing the hope that the new reef will enable the directors to place the company on a substantial foundation, and to recommence the payment of dividends, we again tender our sympathy to them for their past misfortunes.

#### TO OUR READERS.

Owing to extreme pressure on our space, and in spite of the additional space afforded by our Supplement, we are compelled to hold over the following Reports from the Mines :- Namaqua Copper, Ejudina Gold, Mosman, Bonnie Dundes, Day Dawn Block and Wyndham, Brilliant Block, and Mills' Day Dawn United, which arrived at a late hour,

### NOTES AND COMMENTS.

THE first crushing of the Geldenhuis Deep still appears to be a matter of intense interest to the public, who seem unable yet to appreciate the circumstances which brought about so undesirable a result. The Standard and Diggers' News to hand by mail contains an interview with Mr. Perkins, the engineer of the mine, who gives an explanation of the facts which ought to reassure everyone. The rock put through the mill was dumper stuff and relatively poor. "The assay value of the rock being put through," he said, "is strictly 9.8 dwts. Of course, there is richer stuff in the mine, but we cannot get it for lack of labour. Well, we could get it, but it would mean putting up wages all along the reef, and it is more desirable to wait until the labour difficulty has become a little less acute, and to get boys on the ordinary terms." Still, for all that, he confessed, the stuff actually put through ought to have produced at the value he mentioned. Asked why it actually did not, he gave the explanation which every rehable critic gave at the time, and it is gratifying to note that it is now officially supported. "It was for the very good reason," he said, " which ought to be appreciated by anyone who has experience of opening up a mine and starting a battery, that the plates are still raw and absorbing a very large proportion of the gold. This is a drawback which time alone will rectify." Mr Perkins also stoutly denied the rumours which had been circulated with regard to the condition of the battery. He attributed the rumours to malicious persons.

Ar the ordinary general meeting of the Australasian Mining was able to place before the shareholders some encouraging information supporting the view that the future of the company is bright. In November last the shareholders gave authority to the directors to purchase a property known as the No. 2 North Smithfield, situate in the Gympie Field, Queensland, In this property, it was discovered, two good reefs existed, known as the Smithfield and the Columbia. It was anticipated that when the shafts were sunk to 600 feet and 1000 feet respectively, these reefs would be found to contain payable ore. These calculations have since been confirmed by the development upon the neighbouring mines, where the reefs have been struck at the depths named. The company has also sold a promising property to a small company called The Crescent Gold Company, in which the Australasian retains a substantial interest. At the meeting the Chairman read out some most encouraging cablegrams from this property, showing that it is progressing most encouragingly. Financially, the operations of the parent

ordinary general meeting is convened.

THE Chairman of the Transvaal Lands Company (Limited) was able to deliver a fairly encouraging speech at the ordinary meeting held on Monday last. The directors have been able to introduce economies in two or three departments, and thereby to curtail the expenditure, the consequence of this being to considerably reduce the debit balance against the company. A saving of £88 is certainly not a very large one, but this is the saving made during the year under the heading of "Expenses in London," which includes salaries, office expenses, directors' fees, and general charges. This item amounts to £1137 12s. 11d., not a very large sum, certainly, considering the range over which it is spread. A smaller saving -namely, £27-has been made in the Transvaal expenses This is very little, and, no doubt, the shareholders would have asked for a further decrease had the Chairman not assured them that this item would in the future be considerably reduced. As a matter of fact, he was able to announce that from November 1 of this year the expenses of management alone have been reduced from £1000 to £1500 per annum. This of course, is a very considerable saving, and one for which the shareholders ought to feel thankful. Considering the time the company has been in existence, it cannot be said that very rapid progress has been made. Compared with former years the past year has not been unsatisfac-tory. A debit balance of £726 9s. 3d. is shown. As far back as 1891 this balance stood at £8211, so that in the space of four years something in the right direction has been There is some hope, of course, that when next year's accounts are presented a very different state of affairs will be Instead of a debit balance there is a probability that the directors will present a credit balance, and though it is not likely that they will be able to distribute dividends, nevertheless that will be something to be thankful for. The Transvaal Exploring Company has undertaken at its own expense the prospecting of the company's farms, and the shareholders can look forward to something resulting from this.

Last Monday's meeting of the Van Ryn Gold Mines Estate passed off with complete unanimity, the shareholders appearing to be thoroughly satisfied with the result of the past year's operation, and with the Chairman's sanguine forecast. No word of disappointment or dissatisfaction was heard, and no criticism was directed against the increase of capital. We confess we did not anticipate this. We fully expected some opposition to the proposal of the board, especially as the announcement in the directors' report was not viewed in an altogether favourable light some days prior to the meeting. However, it all evidences most forcibly the confidence which the shareholders place in the directorate, and for our own part we fully believe that that confidence is well placed. The directors. undoubtedly, are doing their best, and are striving might and main to make the company prosperous. But, after all, they are human, and it is possible for them to make an error of judgment. We still think they have not acted discreetly in aing the capital of the company. "All's well that ends well," however, and there is absolutely no reason for surmising that their action will end badly. They have the unanimous support of the shareholders, which is all they need, and, therefore, they are satisfied. With such support and such confidence they need little fear outside criticism. Perhaps they can afford to be amused at it, as harmless and ineffectual. Well, we wish them every success, and that the additional capital will return

As we have pointed out frequently from time to time, a gold field that has for some time past been making satisfactory progress is that of Charters Towers, Queensland. Of late months it has come very much to the front, and there appears to be much evidence that ere long it will do something to astonish the world The doings, therefore, of individual companies is interesting, as they alone can furnish reliable data of the progress and richness of the field. We have just received by mail a copy of the directors' report of the Brilliant Gold Mining Company (Limited)—a company, by-the-bye, which cannot be said to be inaptly named. During the six months covered by the report 17,974 tons of quartz were crushe f, yielding 18,638 ounces 3 dwts. 12 grains of gold, being an average of 1 ounce 18 grains per ton, valued at £65,474 18s. Out of this dividends to the amount of £21,666 13s. 4d. have been paid, together with £6500 due on November 1, and dividend tax to the Government, £1403 6s. 8d., making a total of £29,575. Of course, this company has, in comparison with the majority of gold mining companies, had an exceptionally brilliant career. Dividends have been paid with persistent regularity ever since 1889, as much as £1 10s. per share being distributed in 1891. The prospects are encouraging, and dividends may for a long time to come be

FROM all accounts, the Great Boulder Main Reef is likely to rop speaking at Thursday's meeting, went so far as to say that it was second to none on the Coolgardie gold field, not even to the Great Boulder itself. Most people will be inclined to take this cum grano salis, but after reading carefully the Chairman's speech, and also the glowing reports of eminent and trustworthy engineers, one will readily come to the conclusion that there is a great deal, after all, in what the Chairman says. Mr. George Seymour, who, as an engineer, occupies a position of eminence, speaks in no mineing or ambiguous phrases of the richness of the property, and this, no doubt, is quite sufficient for most people. There is every appearance, as the Chairman pointed out, that they have the Great Boulder lode, with its parallel lode, and another lode further to the eastward, which runs the whole length of the property. There is also a probability that the well-known Ivanhoe reef runs through it, but this cannot be decided until further develop-

company did not result brilliantly, but this was to be expected. | ments have taken place. The directors have no desire, it seems, A very material improvement may be anticipated when the next to rush matters. This is well. Machinery is not to be sent out until the tacilities for transport are much improved, by which a great deal of money will be saved.

> THE conflicting reports which are current regarding the tin-plate trade are really extraordinary. One day we hear that Wales is going to the wall, and another that it still has a great future before it. One side declares that the United States tin-plate firms are going to make their fortunes; another, that their action can be naught but ephemeral. Among all this conflicting evidence one thing is, however, clear-namely, that Wales need not fear any very immediate defeat. Already Welsh workmen are beginning to find their way back to the Mother Country. A returned emigrant who has come back within the past few days says that during his stay of 10 months he had only worked some 16 weeks-and this at very irregular periods -and he was by far more successful than some of his fellow workmen who had, indeed, been employed only a few weeks. According to the same source of information, there are a large number of workmen who are awaiting passes from their friends to enable them to return home. With the high price of; boarding it requires regular work to meet the boardinghouse bill. Reductions of wages are also on the tapis, and with the opening of 1896 there will, it is stated, be an attempt for a large reduction. Native labour is also beginning to come to the front. If a Welshman has a grievance, native labour is at once brought forward, and in a short time it is expected that Welsh labour will be replaced wherever possible by American workmen. Moreover, the American tin-plate works in some portions of the States are stated to be now at a standstill, and will, it is declared, not commence operations for some time. Such facts as the foregoing should be made widely-known, and should act as a deterrent from Welsh workmen from leaving the Principality upon offers which may, or may not, be fulfilled, to fight against the trade of their own country.

> WHEN the prospectus of the Golden Cement Claims was issued in August last it was received with such favour that the whole of the capital was subscribed for several times over. But at that time the public were eager to invest in any new Australian venture, and, therefore, it does not follow that the Golden Cement Claims stood out prominently from the others. Nevertheless, it must be admitted that the company appeared to have a grand property—one which, if judicially managed, was likely to yield wonderful results. The strongly favourable opinion of so high an authority as Mr. George Seymour had great weight, and the public were ready and willing to subscribe their money when backed by so high-standing an expert. Then, again, Mr. Seymour's opinion was confirmed by another firm in the very front rank-viz., Mesers. Bewick and Moreing, and this additionally accounts for the public rushing in so eagerly to subscribe to a company whose future seemed absolutely assured. The statutory meeting of the company was held on Wednesday last, and the Chairman was able to give information supporting the high hopes entertained of the property. Though it has been proved that a valuable reef exists, and that the cement deposit is impregnated with gold, the directors are not wildly purchasing machinery and processes until they are absolutely assured of the kind that will best suit them. They intend to be guided by the opinions of experts, and to profit by experiments made on other properties, a policy which sensible people will heartily commend.

As was to be anticipated, Mr. Pontifex was able to deliver a most satisfactory and encouraging speech at the meeting of the Cape Copper Company, held on Wednesday last, and, in consequence, the meeting was a hearty and unanimous one. the meeting, held 12 months ago, Mr. Pontifex ventured to forecast-always a delicate task, and more so with copper companies-the results of the forthcoming 12 months. But, strange to say, his predictions have been completely realised; in fact, more completely than the most sanguine could have anticipated. The result of the year's operation has been a profit of £125,421. A fair proportion of this has been due, as we pointed out last week, to economies in one or two items; thus close upon £3000 has been saved in the cost of transporting freight; nearly £1500 in the cost of interest and discount; £315 in the cost of management in London; and £1431 in miscellaneous expenses. But, of course, more gratifying has been the increase in the returns of fine copper of 170 tons, accounting for £6086 of the increased profit. The better prices obtained for the company's product accounted for an increase of no less than £17,259, whilst the better results obtained from the smelting processes accounted for £13,124. The position of the company at the present moment is such as to give every satisfaction to the shareholders and directors alike. and were, of course, the copper market in a more sound condition, one could anticipate with much certainty even Setter results and larger profits next year. But in connection with a copper company it is a difficult thing to prophesy, and, therefore, we refrain from indulging in any.

#### DIARY FOR NEXT WEEK.

#### Monday, December 23.

Monday, December 23.

Transval Gold and Exploration, Cannon-st. Hotel, 11.30. Buluwayo Syndicate, Winchester House, 12.

Golconda Gold Mines, Winchester House, 12.

Queenaland Smelting Company, Winchester House, 12.

Continental and West Australian Trust, Win. Ho., 12.30. Staffordshire Coal and Iron, Cannon-street Hotel, 1.

Arrow Brownhill, Winchester House, 2.

Vogelstruis Esta te and Gold, Winchester House, 2.30.

Aranco. Winchester House, 3. Arauco, Winchester House, 3.

#### Friday, December 27.

Victor Waihou Gold, Winchester House, 12.

### THE MINING MARKET.

The American collapse affects the Mining Section sympathetically.—A cheerful opening succeeded by two days of stagnation and a flat close.

A BLOW from an unexpected quarter has affected the Mining Market in common with all departments of the Stock Exchange. Since Wednesday morning the only topic of conversation has been President Cleveland's remarkable manifesto on the Venezuelan question. At first every disposition was shown to treat the incident as a mere piece of electioneering bombast, that need have no serious import either as a flacting financial matters or the cordial under import either as affecting financial matters or the cordial understanding between the two nations. No particular attention was paid to the small fall in American Rails which started in New York on Tuesday afternoon. The speculative account in these securities is so small in London that little attention is paid by anyone besides the actual dealers in that market, to the daily adjustments to parity, which are sent out to the papers as rises and falls, but which frequently represent no actual transactions. On Thursday the unsettled feeling spread in several directions, and people's eyes began to be opened to the in several directions, and peoples eyes began to be opened to the fact that the possibilities of trouble were not so remote as had been jokingly suggested. To-day an almost alarming collapse in American rails has widened the feeling of uneasiness. After being for many months neglected, the American market suddenly developed into the chief arens of excitement and business in all other departments came to a standstill. sympathetic cort of way, however, prices were put down in the Mining Market, not as the result of extensive dealings, but merely as a precaution against sales. The speculative account, alike in Kaffirs and in West Australians, has been reduced to such infinitesimal proportious that there is no pretext for alarm there. It is not within our province to discuss in detail the pros and cons of the American situation. tion. It may, however, be suggested that to-day's semi-panic is mainly due to the agency of the bears, and is based upon the financial, rather than the political aspect. The worst of the matter is that since the President has uttered his ill-omened words some time must of necessity elapse before a restoration of confidence is possible. The cause of disquiet cannot be removed quickly, and in the see-saw of apprehension that always attends a longdragged-out uncertainty, operators will find little inducement to come to the support of the Mining Market as they would be inclined to do with a clear political horizon. During the past week the actual shrinkage in minin prices has not been serious. Business has been on not been serious. Business has been and at the present moment there is been on a prospect of immediate improvement in this respect. No useful end will be served by reciting the day to day features of the market, for from Monday to Friday one dead level of monotony has been maintained. On Monday and Tuesday the markets were fairly firm with no business. Since then they have been weak with still less business, but as already stated the net loss is inconsiderable.

#### South African Shares.

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What we have several times described as the barometer What we have several times described as the barometer stocks have once more, more or less, monopolised attention so far as actual dealing is concerned. Chartered, which we left at 574, had improved to 5½ by Tuesday, but from that point broke away until the shares changed hands at 5 about mid-day on Thursday. There was then a rally to 5½, but in the slump this evening the price has broken to  $4\frac{\pi}{8}$ , showing a net loss of  $\frac{\pi}{4}$  on the week. There have been numerous transactions in options, call money being given at higher prices for the end of February in a way that would indicate the expectation of a strong upward movement early in the New Year. The new shares are ½ lower on the week at 1½. Consolidated of a strong upward movement early in the New Year. The new shares are \$\frac{1}{2}\$ lower on the week at \$1\frac{3}{2}\$. Consolidated Gold Fields Deferred came into favour on Saturday, and by Tuesday marked an advance of \$\frac{5}{2}\$ at \$12\frac{1}{2}\$. These shares, however, have specially suffered in the flatness of yesterday and to-day, mainly because the market in them is sufficiently free to make dealing a comparatively easy matter. After opening at \$11\frac{5}{2}\$ this morning, the price closes at \$11\$, a clear loss of a point on balance. Gold Trusts are \$\frac{3}{2}\$ down at \$7\frac{5}{2}\$ and Goldfields Deep, after advancing to \$7\frac{3}{2}\$ on Monday, are finally \$\frac{7}{2}\$ lower at \$6\frac{5}{2}\$. It need hardly be stated that the Paris Bourse has reflected most sensitively the weakness in lower at 6g. It need hardly be stated that the ris Bourse has reflected most sensitively the weakness it London, for which reason East Rands have been specially selected for attack to-day, after having been in considerable favour during the week. On Tuesday the shares changed hand favour during the week. On Tuesday the shares changed has freely over 5\(\frac{1}{2}\), and there were dealings at 5 this morning, but the last price 4\(\frac{1}{2}\) shows a net depreciation of \(\frac{1}{2}\). Comets have let \(\frac{1}{2}\) at 2\(\frac{1}{2}\), and St. Angelo \(\frac{1}{2}\) at 3. Rand Mines advanced to 25\(\frac{1}{2}\) of Monday, but leave off 1\(\frac{1}{2}\) down at 23\(\frac{1}{2}\). Champ d'Or Deep ar actually the turn harder at 2\(\frac{1}{2}\). No change is shown in Consolidated Deep Levels at 4\(\frac{1}{2}\), Nigel Deep at 2\(\frac{1}{2}\), or Geldenhui Deep at 6, but Roodepoot Deep has lost \(\frac{1}{2}\) at 2\(\frac{1}{2}\). The Barnate group has been fairly well supported, though the last price are considerably below the best. The Bankshares close unchange at 14\(\frac{1}{2}\), having touched 1\(\frac{1}{2}\) during the week on the announcement are considerably below the best. The Bank shares close unchange at  $1\frac{1}{14}$ , having touched  $1\frac{1}{4}$  during the week on the aunouncement of a shareholder's meeting called for January 14. The Consolare unchanged at  $2\frac{1}{4}$ . Buffels have been well supported by the insiders with a view to squeezing the bears. The price was a good as  $3\frac{1}{4}$  early in the week, but closes a shade lower oblinance at  $3\frac{1}{14}$ . Some exciting movements are to be expected in these shares before the duel is finished Losses of  $\frac{1}{4}$  are shown in Glencairn at  $3\frac{1}{4}$ . Johan nesburg Investment at  $3\frac{1}{6}$ , May Consolidated at  $2\frac{1}{6}$ , and Rieffontein at  $3\frac{1}{16}$ , Crossus at  $1\frac{1}{6}$ , George Goch at  $2\frac{1}{6}$ , Giusberg at and Primrose at  $6\frac{1}{14}$ , are all practically on last week's maxwhilst Spes Bona is credited with a rise of  $\frac{1}{6}$  at  $1\frac{1}{6}$ . The Robin son Stocks are practically unchanged with the exception of the Bank shares, which close \(\frac{1}{2}\) lower at \(\frac{1}{2}\). Randfontoin are firm at \(2\frac{1}{12}\), news having been received of the striking of the reef on the Waterval property, assayin 11 onness 10 dwts. to the ton. Block B are rather easier 113. The dividend-paying abanes above but triding change change Wommers, despite the declaration of a hundred per cont. dividend, are the turn lower at 9\frac{3}{4}. Simmer and Jack at 2\frac{1}{4}. Salisbury at 3\frac{3}{4}, Nigel at 4, Jumpers at 8\frac{3}{4}, Jubilee at 8\frac{1}{4}. Herical Salisbury at 3\frac{3}{4}, Nigel at 4, Jumpers at 8\frac{3}{4}, Jubilee at 8\frac{1}{4}. Herical Salisbury at 3\frac{3}{4}. Nigel at 4, Jumpers at 8\frac{3}{4}. Jubilee at 8\frac{1}{4}. Herical Salisbury at 3\frac{3}{4}. Nigel at 4, Jumpers at 8\frac{3}{4}. Jubilee at 8\frac{1}{4}. Herical Salisbury at 3\frac{3}{4}. Nigel at 4, Jumpers at 8\frac{3}{4}. Jubilee at 8\frac{1}{4}. Herical Salisbury at 3\frac{3}{4}. Nigel at 4, Jumpers at 8\frac{3}{4}. Jubilee at 8\frac{1}{4}. Herical Salisbury at 3\frac{3}{4}. Nigel at 4, Jumpers at 8\frac{3}{4}. Jubilee at 8\frac{1}{4}. Herical Salisbury at 3\frac{3}{4}. Nigel at 4, Jumpers at 8\frac{3}{4}. Jubilee at 8\frac{1}{4}. Herical Salisbury at 3\frac{3}{4}. Nigel at 4, Jumpers at 8\frac{3}{4}. Jubilee at 8\frac{1}{4}. Herical Salisbury at 3\frac{3}{4}. Nigel at 4, Jumpers at 8\frac{3}{4}. Jubilee at 8\frac{1}{4}. Herical Salisbury at 3\frac{3}{4}. Nigel at 4, Jumpers at 8\frac{3}{4}. Jubilee at 8\frac{1}{4}. Herical Salisbury at 3\frac{3}{4}. Nigel at 4, Jumpers at 8\frac{3}{4}. Jubilee at 8\frac{1}{4}. Herical Salisbury at 3\frac{3}{4}. Herical Salisbury at at 8, Henry Nourse at 5\frac{3}{2}, and Gladenhuis Estate at 4\frac{1}{2}, are within \frac{1}{2} of last week's prices. Ferreirs has lost \frac{1}{2} at 16\frac{1}{2}, and Gladenhuis Estate at 4\frac{1}{2}, are within \frac{1}{2} of last week's prices. Ferreirs has lost \frac{1}{2} at 16\frac{1}{2}, and Gladen Suburban \frac{3}{2} at 4\frac{3}{2}. Modders were in special demand of Tuesday, scoring \frac{3}{2} on the day on Cape buying orders. Fro \$\frac{3}{2}\$, the best point touched, there has been a reaction to 7\frac{1}{2}, net decline of \frac{1}{2}. Van Rvns were favourably affected by \$\frac{1}{2}\$. 84, the best point touched, there has been a reaction to 71, net decline of \(\frac{1}{2}\). Van Ryns were favourably affected by meeting and the declaration of a 20s. per cent. dividend, belose rather lower at 5\(\frac{1}{2}\), and small losses are shown in the subdiary undertakings, Norths at \(\frac{1}{2}\), and Wests at 3\(\frac{1}{2}\). Durbs Roodepoort are less than \(\frac{1}{2}\) down at 7\(\frac{1}{2}\), making allowance the 3s. dividend deducted. Declines of \(\frac{1}{2}\) are shown in Traval Gold at 4\(\frac{1}{2}\), Orion at 3\(\frac{1}{2}\), my or and Charlton at 5\(\frac{1}{2}\), to Rest at 10\(\frac{1}{2}\), Chimes, at 2\(\frac{1}{2}\), and Bantjes at 2\(\frac{1}{2}\). Worest are unchanged at 4\(\frac{1}{2}\), and Robinson at 9\(\frac{1}{2}\) are both

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change sut. div at 21 i. Herid i. Herid i. From and cit to 71. i by the end, b. he sub. Durbs vance in Tradity, Cro

to the bad. In the Land and Exploration section a noticable improvement is the 1 scored by Pardy's Mozambique at 21. Oceans are maintained at 11, New African at 41, and Austral African at 12, ex the 3a, dividend Angle Franch Exploration has given way in sympathy. New African at 4½, and Austral African at 1½, ex the 3s. dividend. Anglo French Exploration have given way in sympathy with East Rands, and show a loss of ½ at 3½. Exploring, Land and Minerals are ½ lower at 1½, Klerksdorps slightly harder at 11s. 6d., after being as good as 13s. 6d., and Potchefstrooms ½ down at ½. The small Lydenburg shares are just the turn easier, Lisbons at 6s. 3d., Balkis at 7s. 6d. and Barrett's at 11s. 6d. In the Diamond Group De Beers were in strong demand on Monday and Tuesday, touching 25½ on dividend rumours. They have, however, been specially selected for attack for hedging purposes, and close ½ lower at 24½. Jagers are actually ½ up at 8½. Beaconsfields have collapsed to ¼ on the statement that the diamondiferous ground is nearly exhausted. St. Augustines were inquired for after a satisfactory meeting on Tuesday, but the shares are finally 9d. lower at 7s. 9d. Gordons have declined to 5s. 9d. There is practically no dealing here in Robinson Diamonds, so that the intelligence published to-day by the Rand Cable Agency to the effect that the output is unpayable and the capital exhausted, has been without effect. West Australians.

Business in West Australians has been on a small scale, but on the whole the tone is by no means bad. Quotations have in some cases been marked down to prevent selling, but on the other hand actual gains are to be found in several instances. Associated have improved \( \frac{1}{2} \) to 1\( \frac{1}{2} \), on the issue of the Lake View South prospectus. Cassidy Hills have gained a like fraction at 1\( \frac{1}{2} \), as have Fingall's Reefs at 1\( \frac{1}{2} \), and Golden Crowns at 1\( \frac{3}{2} \). Big Blows have lost \( \frac{1}{2} \) and Black Flags were sold down to \( \frac{1}{2} \) on Thursday on the breaking up of the pool in the vendor's shares. There has been a rally to 10s., which still marks a loss of 5s. on the week. Clyde Gold lost \( \frac{1}{2} \) at \( \frac{1}{2} \) on Monday, for no very apparent reason, and at the same time there was a break in Pilbarra Gold Fields, which leave off \( \frac{1}{2} \) down at \( \frac{1}{2} \). Mawson's Reward have lost \( \frac{1}{2} \) at \( \frac{1}{2} \), Lady Loch \( \frac{1}{2} \) at \( \frac{1}{2} \), and West Australian Concessions \( \frac{1}{2} \) at \( \frac{1}{2} \). Hampton Plains, after being in demand, close only \( \frac{1}{1} \) at \( \frac{1}{2} \), The deduction of a 4s. dividend leaves Gold Fields practically unchanged at \( \frac{1}{2} \). West Australian Share Corporation have been conspicuously good, and close \( \frac{1}{2} \) up at \( \frac{1}{2} \) premium. Great Boulders have recovered their 2s. dividend at \( \frac{1}{2} \), after touching \( \frac{1}{2} \). Hannan's Brownhills were \( \frac{1}{2} \) this morning, but have suffered specially in the afternoon's flatness, closing \( \frac{1}{2} \) lower at \( \frac{1}{2} \). Hannan's Star have lost \( \frac{1}{2} \) at \( \frac{1}{2} \), and Napier \( \frac{1}{2} \) at \( \frac{1}{2} \), and Napier \( \frac{1}{2} \) at \( \frac{1}{2} \), and Shaper \( \frac{1}{2} \) at \( \frac{1}{2} \), and Napier \( \frac{1}{2} \) at \( \frac{1}{2} \), and Tuesday on the receipt of Herr Schmeisse Business in West Australians has been on a small scale, but

Miscellaneous, Copper shares show but slight changes. Rio Tinto touched 16 on Tuesday, but broke on Wednesday, and close with a loss of \$\frac{1}{8}\$ at 15\$\frac{1}{2}\$. Tharsis are \$\frac{1}{8}\$ better at 4\$\frac{1}{8}\$, and Copiapo at 2\$\frac{1}{1}\$\frac{1}{8}\$ are without change, allowing for the 2s. 6d. dividend deducted in each case. There are no quotable changes in Indian Gold shares, the deduction of dividends from the price of the true Copyray resisting explaining the changes in Indian Gold shares, the deduction of dividends from the price of the two Ooregum varieties, explaining the only apparent difference. In the New Zealand group Haurakis have advanced 1s. 3d. to 10s., after being better. Waihi are a shade easier at 5\$\frac{1}{2}\$, ex 2s. dividend, and Silvertons have lost \$\frac{1}{4}\$ at 3. In the Charters Towers group some attention has been directed to Brilliant Central, which close 3s. 6d. lower at 5s., shares being pressed for sale owing to holders disapproving of the action of the directors in making frequent small calls. Wentworths have recovered 2s. dividend at 1\frac{1}{2}\$. The last graphing was appropried as valued at £9880. Aladding also shart cans. We have consider a solution as 13. The last crushing was announced as valued at £9880. Aladdins also are better at 17, ex 3s. dividend. Broken Hills are 75 higher at 21, but British are 1s. down at 12s. 6d. Alaska Moxicans have improved 5 to 11, and Treadwell 1 to 55. St. John del Rey mark a loss of 75 at 1. Business in the Miscellaneous section has been of the slightest proportions.

British Mines.

British Mines.

There has not been any life in the Cornish market this week, and business has been contracted. There has been some enquiry for Tincrofts at about 3. Lord Robartes meets Tincroft committee on the mine to-day, and it is to be hoped that a solution of the Wheal Agar water difficulty will be arranged. Just now Tincroft is largely dependant on the north part of the sill, and if East Pool and Wheal Agar engines do not restart pumping shortly the workings at North Tincroft will be jeopardised, and Lord Robartes with all his desire to help the Wheal Agar adventurers is unlikely to do anything that would seriously interfere with Tincroft, of which he is the sole lord. Unless some arrangement is arrived at to-day it has been decided to stop South Crofty pumping engine on Saturday. Dolcoath have changed hands 10s. 6d. to 17s. 3d., closing about 17s., and the partly paid 4s. 6d., 5s., Wheal Basset steady, 3s. Grenvilles nominally 10s, but really nothing doing.

STOCK EXCHANGE SETTLING DAYS. Settling Days on the Stock Exchange are as follows :-CONSOLS

Friday, January 3. STOCKS AND SHARES.

DECEMBER. Ticket Days.

Saturday, December 28 | Monday, December 30

Wednesday, January 15 | Thursday, January 16 | Wednesday, January 29 | Thursday, January 30 | Thursday, January 30 | Thursday, December 26 | Monday, January 18 | Monday, January 27

Monday, January 27

THE NIAGARA DRY CRUSHER.—We learn that Mosers. Easton, Anderson, and Goolden (Limited) have sent out a pioneer plant to South Africa, and that their Mr. Astley P. Friend left last week for Johannesburg, where the crusher will be first tried.

APEX MINES (LIMITED) AND THE SUB-NIGEL (LIMITED).—A London transfer office has been opened at No. 8, Old Jewry, E.C., and transfers for registration with be received on and after the 23rd last.

#### PARIS LETTER.

(FROM OUR SPECIAL CORRESPONDENT.)

French interests in the Transvaal.-The new South African syndicate.—Revival of mining enterprise.—Position of Rand shares.

THE attention of French capitalists is directed not so much to securing an immediate profit out of the gold mining industry in the Transvaal, as to participating in the commercial and industrial expansion of that country. Yet it must not be imagined that investment in gold shares has by any means fallen into discredit. People are beginning to see that, in spite of the recent crisis in speculation, or rather, perhaps, because of it, the Rand mines are a more satisfactory and remunerative source of income than any other at present open to them. The solid character of the Transvaal gold mining enterprises has been proved by the successful way in which they have withstood the "slump," and investors are showing more faith in the future of these properties than they did a few months ago. Now that that they are able to take a calm survey of the situation they are gareeably surprised to find that the recent collapse has not affected the Transvaal industry in the least, and that the leading mines are steadily increasing their output of gold, and are proving their exhaustible richness of the Rand. It is, moreover, a source of satisfaction to France to know that of the enormous amount the inexhaustible richness of the Rand. It is, moreover, a source of satisfaction to France to know that of the enormous amount of capital placed in gold mines during the past twelvemonth so much French money is found to remain in really sound enterprises, the more so as the indiscriminate buying of scrip warranted the belief at one time that the losses were much heavier than they are now seen to be. It is estimated that there are 10 Rand mines in which the greater part of the scrip is in French hands, and for the moment the ordinary investor is not inclined to still further increase his holding in Transvaal stock. So many influences are at work to operate against a freer investment that the Rand mines are being very largely neglected. The threatened trouble between the English and the Boers causes a certain amount of uneasiness among holders of South African

the Rand mines are being very largely neglected. The threatened trouble between the English and the Boers causes a certain amount of uneasiness among holders of South African shares, and this feeling is not likely to be allayed by the uncertainty of the political outlook. Now it is believed that the business in Transvaal gold shares will be very seriously hampered, if not suppressed, by the law, which will come into force with the New Year, increasing the stamp duty on foreign scrip. This would matter little if the additional burden were borne by the foreign companies, but unfortunately for investments the extra tax falls upon the holders themselves, who find even now that the amount they pay to the State is sufficiently onerous. This new law has caused a great deal of dissatisfaction among brokers, who fear that the higher tax will seriously compromise their business by compelling investors to carry out their transactions on the Stock Exchange.

If investors are confining their operations to a few leading mines this is more than compensated for by the increasing activity of those syndicates that are seeking to secure some profit out of the Transvaal industries. The most enterprising of these syndicates is the Banque Francaise de l'Afrique du Sud, which is carrying out a programme that cannot fail to strengthen French interests in the South African Republic. It is, indeed, the first time that any serious attempt has been made to consolidate the interests of French investors in order that they may secure the fullest protection to which they are entitled. The Banque Francaise de l'Afrique du Sud has just been officially constituted and will begin operations without loss of time. One of the objects of the bank is to obtain a proportionate representation of French capital in the different enterprises in which it is interested, and to supply information upon the value and standing of the Rand companies so that the French investor will be in a position to place his money to the best advantage. Further, the syndicate to be notified as to the contracts on the market, so that they may have a chance of tendering for the work. To carry out this programme successfully the bank has established an agency in Johannesburg, whence daily reports will be sent to France on the work done at the mines, the orders on the market, and other matters of interest to the investor and manufacturer. Not only is the Banque to the investor and manufacturer. Not only is the Banque Francaise vigorously pursuing a policy in favour of French interests in the Transvaal, but French speculators themselves are taking steps to open up new auriferous regions if they are found to exist. Already the Compagnio d'Exploration of Lyons is

terests in the Transvaal, but French speculators themselves are taking steps to open up new auriferous regions if they are found to exist. Already the Compagnie d'Exploration of Lyons is engaged in this work, and it is rumoured that another company is being formed to send out engineers on a prospecting expedition. It is difficult to see where they can hope to find any new ground that has not already been covered, but the fact that French capital is seeking a direct interest in the Transvaal gold mining industry proves the confidence of the French in the marvellous resources of that country.

The way in which French capitalists are treating gold mines, and looking upon them not as a means of speculation, but as an industrial investment, is seen in the numerous companies that are being formed to work the auriferous deposits in different parts of the world. In Madagascar the Suberbieville Gold Mining Company is actively carrying out preliminary operations for the rapid development of the extensive territory which it has lately taken over from M. Suberbie, who is to remain as managing director of the concern. A considerable quantity of portable railway material has already been purchased, and very shortly a line will be ready for the transport of the plant and machinery to the mine. In Tonkin a heavy expenditure is to be made upon railway construction, when it will be possible to turn the mineral resources of that colony to better account than they have been in the past. The agitation over the Algerian phosphate concessions, which has resulted in the annulling of the agreements with the British companies, who by the way are contesting the legality of this proceeding before the higher tribunals, is no doubt due to the awakened spirit of mining enterprise in France, and to the desire to see French capital invested in the colonies and abroad. Recently a company was formed with French and Belgian capital to exploit the petroleum districts of Pern, and abroad. Recently a company was formed with French and Belgian capital to exploit the petroleum districts of Peru, and now several Parisian financial houses are said to be on the point of working certain gold mines in Dutch Guiana, where the vast auriforous resources have so far been left comparatively untouched owing to the difficulties of transport. The Watana Mine in Siam does not attract the interest that was at one time COAL IN ALASKA.—An extensive field of coal of good quality is reported to have been discovered within 30 miles of Juneau Alaska.

The directors of the Angle-Mexican Mining Company alleries, and it is now offering concessions to companies that are willing to take over and exploit some parts of the extensive territory. All these enterprises are being carried out as much as possible upon the lines that have proved so successful in the Transvaal, and in other auriferous countries developed with British capital, so that hey are likely to meet with more

success than the undertakings which at one time cast a discredit upon the French methods of gold mining.

Very little business has been done this week in the, Mining Market, though the position of gold shares is more satisfactory than it has been for some time past. Rather more favourable reports that have been received from time to time from London have stimulated buying in a few of the leading shares, but prices again retrogade when sellers try to take advantage of the higher values to dispose of their holdings. No doubt the market would be stronger if it were not for the fear of complications at the next Settlement. It is rumoured that several members of the coulisse will go into voluntary liquidation at the end of the year, as they are unable to hold out any longer against the claims of creditors. It is believed that the official quotation of 25 franc shares on the parquet will be sanctioned very shortly, in which event the jobbers will find their occupation gone. As the parquet cannot deal with these shares at presson the introduction of foreign companies has been left almost entirely in the heads of the coulisse, who have shown so little discrimination in their dealings with South African scrip that they not only find themselves enoughed but the wheet of arteropium on the very start of the records. the counses, who have shown so little discrimination in their dealings with South African scrip that they not only find themselves crippled, but the object of antagonism on the part of the parquet and the public. There is, consequently, a growing belief that the jobbers are doomed.

### THE METAL MARKETS.

#### LONDON METAL MARKET.

THE METAL MARKET, LONDON, DECEMBER 2).

Opport

OPENED favourably, there being a slight improvement in statistics, and the value improved from £42 is. 3d. to £13 3s. 3d., the latter price being paid on Tuesday. The uneasiness in political circles caused by President Oleveiand's Message to Congress was reflected for a brief while in our markets, and G.M. B.'s feel back to £42 its. 5d., rallying however promptly, and closing steady at £42 i7s. 5d. so. and £43 5s. three months. Demand at this season is naturally quiet, but consumers are everywhere well coupied, and a moderate business is passing, whilst prices of consumers copper show a slight hardening.

opened quiet at £51 17s. 6d. s.c. Straits, and improved to £51 15s. 9d., the same day. Silver this week has steadily risen, but notwithstanding this, and the fact that consumption demand has been practice and either consumption demand has been practy good, the general tendency has been downward. £51 15s. was accepted on Tuesday, and £51 7s. 5d. on Wednesday, and again on Thursday, To-day £61 8s. 9d., was paid s.c. and the market closes flat at £61 10s. s.c. and £52 three months. In the Dutch market there has been a fall from 37% to 37% s.c. Billiton, whilst Banca has fallen ½ fl. to 38% fl. Pig Iron

In Glasgow there has been, first an advance from 48s. to 48s. 5d. s.c. Soptoh, and a subsequent relapse right down to the moment of civing, waich was flat at 48s. 6d. sellers. Homatite closed at 48s. 10%, and Middlesbrough at 37s. Slipments last week are advised as 3595 tons, or 1282 to 18 inst than last year, same period.

Load
Is easier, £11 5s, 3d, has been done, and the market closes thereat for foreign with English at £11 8s, 9d, to £11 18s. Spolter is quiet, at £14 10s, to £14 11s. 3d. ordinaries, and £14 13s, 9d, to £14 15s. apecials.

is dull at £30 to £30 ics. Quicksilver is unchanged with values, as in list above,

The following are to-night's (December 20) prices of metals:-

Copper # 9, d, ... 46 5 0 ... 48 15 0 ... 47 5 0 \*\*\* \*\*\* Alloys. Cog Wheel Brand \_ Pig, G.M.B., f.o.b., Clyde, spot ...,
Bootch pig, No. 1 Gartsherrie...
Coltness ...
Clyde ...
Govan ... Iron. Bars, Welsh, f.o.b. Wales .... Plates Bars, Staffordshire, at works .... Sheets ....

031 11 8 9 003000 030 030 03000 030 03000 030 03000 030 03000 030 03000 red ... white ... patent shot Spelter. Silesian ordinary brands ... special brands ... English Swansea ... Sheet Zine ... ... Antimony. Quicksilver. 

GOLD FOUND IN INDIA.—Bombay, December 14. Dr. Worth held of the Geological Survey, while gold prospecting in Chets, Nagpure, Bengal, struck a reef of remarkable richness, The Indian Gomeonent has ordered the erection of stamps for trial ereshings.

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#### "THE MINING JOURNAL" LIST. SHARE

ABREVIATIONS AND REFERENCES.—Th following are the significations of the abbreviations and references which occur in the Share List;—Ay. Antimonv; A, Arsenic; Bi, Biende; Bz, Borax; C, Copper; D, Diamond; G, Gold; I, Iron: L, Lead; M, Mundie; N, Nitrates; P, Phosphates; Q, Quicksliver; B, Ruby; S, Sliver-lead; Sul, Sulphur; T, Tin; and Z, Zinc. "in the "Amount of Share" column of British Mines signifies that the mines is conducted on "Cost Book" principles; I in the "Head Office" column of African Mines signifies that the address given is not that of the head office, but of a sub, or transfer office; and I, following the names of African Mines, signifies that they are subject to the Limited Liability Law of the South African Republic.

"\*\* The following is by far the most complete and comprehensive list of mines, in whose shares business is being currently transacted, published. Additions will be made from time to time as occasion requires. Every effort is made to ensure accuracy, and Secretaries of Companies, Share Dealers, and our readers generally, are cordially invited to co-operate with us to this end, by notifying us of any errors that may at any time occur. We desire it to be understood that, while our Share List will almost invariably be found correct, we do not hold ourselves responsible for any loss or inconvenience that may arise from possible inaccuracies.

				RICAN M					AFRICAN MINES—(Continued).								
Name.	Olosing Price. Dec. 20, 1895	Price Dec 13,	Am't. of Share	When last XD and Dividend.	Called up Per Share.	Amount of Stock or No. of Shares Issued.	Situation of Mine.	Head Office.	Name.	Closing Price, Dec. 20, 1895	Closing Price, Dec. 13, 1895.	Am' of Share	When last XD and Dividend.	Called up Per Share.	Amount of Stock or No. of Shares (saued.	Situation of Mine.	Head Office.
Abercorn Reef G Abbott's Con. Reefs Aldler Consolidatd	-/6 1/ 36 136 1 136	1895. -/9 1/3 36 136 11/16 13/16	5/ 1 C 1 0	=	8 s. d 0 4 0 1 0 0 1 0 0	250,000	Millwood De Kaap	18, Tokenhouse Yard Boad Street Avenue. 1, Moorgate place.	Nigel G , Deep G , Extension	3% 4% 2 3% 5/ 5/6	436 436 21/10 25/10 5/- 5/6	1 0 1 0/-	rts Aug 10 '95	1 0 0 1 0 0 0 10 0	160,000 195,000 160,000	Rand Heidelberg Rand	96, Gresham Ho., EJ 8, Old Jewry. Basing House, E.O.
African Aliuvial Aliuvial Coal Estates Consolid't	136 136 5/e 6/6 5/ 5/6 236 236	5/6 6/6 5/- 5/6 11/4 2	1 0 1 0 1 0	 10 pc Sept. 95	1 0 0 0 3 6 0 16 6 1 0 0 0 17 0	130,000 20,000 300,000 438,603 200,003	Mozmabq, Middlebrg	11, Poultry, 19,8t. Swithin's-lane Winchester House	North Randfontu. , Sheba Nourse Deep Oceana	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1% 1% 6/- 6/6 4 4% 1% 111/18	1 0	2/-Nov. 28 '95	1 00 1 00 1 00 1 00	200,000 375,000 357,400 50,000	Rand Transvaal .	88, London Wall. 120, Bishopgt, st., Wn 13, Austin Friars.
Gold Con, Gold Ryco, Afrikander 5 Agnes Block G	3/ 4/ 3/ 3/6 15/6 17/6 11/6 11/6 5/10 7/10	3/ 4/ 3/ 3/6 156 134 116 156 5/16 2/14	10/	20 p.c. Jan.'95 2/ Oct. 16 '95	0 8 0 1 0 0 1 0 0	300,000 175,000 40,000 78,507	Mossel By Transvan'.	3, Copthall-buildings 16, Tokenhouse-yard 23, College Hill, 54, Old Br. ad-street	" Development " Minerals Ophir Concess Orange F.S.E D Orion (New)G	3 3 3 3 3 3 3 4 3 3 4 5 1 / 6 2 /	11/14 13/16 3/6 4/6 3 33/4 37/16 39/16	1 0 1 0 1 0	10% Aug., 95	1 0 0 0 13 6 1 0 0 1 0 0	111,857 284,000 36,000	E. C.Africa OrangeF.S. Rand	31, Lombard-street, 10, Moorgate-street, 8, Old Jewry.
Anglo-French Exp. Matabeleland	3% 3% 2% 3 2% 3	31/36 313/46 21/4 313/46 21/4 31/4	5 0 1 0 1 0	15 % Aug 29 '95	1 0 0 5 0 0 1 0 0 1 0 0	225,000 33,300 39,750 77,885 65,000	Rand S. Africa Matabld, West Cost Rand	Warnford Court, EC. 170, Winchester Ho. Winchester House. Dashwood House. 8, Old Jewry.1	Orion (New)G Otto's KopjeD Parl Central G Pardy's Mozambq	156 1% 2 2%	1/6 2/- 136 136 134 2 3/10 13/16	1 0	3/- Jy 11 '95	1 0 0 0 10 0 £1 0 0	138,753 13,.00	Transvaal . S.E. Africa Manica	113, Cannon-st., E.C. 120, Bishopagt et. Wu. Broad St. Avenue. Broad Street
West United. Austral-African Balkis Eersteling G Lang Balmoral M. RG	3/ 3/6 7/3 7/9	156 136 156 136 3/6 4/	1 0 1 0 10/ 10/	3/- Dec. '#5	1 0 0 1 0 0 0 10 0 0 10 0 1 0 0	100,0.0 250,000 520,000 520,000 158,750	Transvaal.	1, Crosby Square. Token Ho., OpthilAv 85, Gracechurch-st. 7, Lothbury.	Piggs Peak G Peak G Piciades Porges Randfontn.		% % % % % % 2% 2%	1 0	Ξ	0 17 0 1 0 0 1 0 0	200,000 60,652 140,000 389,750	Swazielnd . Black Reef	o. gueen-street-pia.s
Bantjes Consol G	2 2 3 4 7 6 8 6 2 3 6 2 3 6 2 3 6 2 3 6 2 3 6 2 3 6 1 1 / 3 1 1 / 9	216 236 7/6 8/6 256 276 136 136 236 236	1 0	rts Sep 24 '95	1 00	300,000 83,000 1,000,000	Rand	Johannesburg. Warnford-court. 1  1, Drapers gardens. 17, Basinghall-street	Potchefstroom G Princess Estate G Rand Central Ore Handfontein G Rand Mines G	236 236 236 236	31/16 33/16 36 34 pm 236 236	1 0	25 p c Aug. 95		115,000 115,000 2,000,000	Rand	19, Bury-st., E.C. 33, Cornhill, E.C. 8, Princes-street, E.C. 59, Holborn Vladuct.
Barrett	36 156 136 136	19/16 111/16	10/1010	rts Jy 24 '95 10 p c May, 95	0 90 1 00 1 00 0 5 0	207,496 400,000 100,000 483,226	De Kaap Bechuana.	19, St. Swithin's-lane.	Rand Mines G Rand-Rhodesia Ex Read's Drift D Rhodesia Ex & Dv Gold Reefs	23 x 23 x 136 136 234 234 6 7	24% 25 136 156 216 234 636 736	1 0 1 0 1 0 1 0	10 p.c. Oct, '95	1 0 0 0 1 0 0 1 0 0 0 1	332,798 25,000 37,000 50,000 35,0 0	R&Rhodesa Transvaal . Mt & Mash'l Rhodesia .	123, 19. Finsbury circus. 8. Old Jewry
Buffelsdoorn G	19 1/3 11/4 17/6 21/6 21/4 413/16 415/16 2 31/6	23/16 25/16 51/16 53/16	1 0 1 0 1 0	rte Jy 26 '95 16/- Nv. 28 '95	1 00 1 00 1 00 1 00	\$35,000 2.0,000 2,000,000 250,000	Rand Turffont'n S. Africa Potchefstr	8, Princes-st , E.C., 120, Bishopsgate-st, 15, St, Swithin's-lane 7, Lothbury.	Robinson(SA)Bank Deep Diamond Gold	5 6 616 716 116 2 916 936	6 61/6 53/6 71/6 13/6 23/6 93/6 93/6 3/6 7/6	4 0 1 0 1 0 1 0 5 0	- 6/- Jy 26 '95	4 0 0 1 0 0 1 0 0 5 0 6	750,000 500,000 350,000 550,000 517,000	M'nR'rR'nd Kaal Valley M. Rf. and	8, Prince's-street 120, Bishopsgates', 8, Prince's street 28, Austin Friars, E.O. 8, Prince's-street.
Central Consolidated Buluwayo Synd Uape Asbestos CopperC	1/6 13/6 17/6 23/6 17/6 23/6 17/6 23/6 2 23/6 x d 23/6 23/6 xd	156 136 236 236	1 0 1 0 2 0 2 0	2/6 Dec.16, '95 2/6 Dec.16, '95	1 00 1 00 2 00 2 00	225,000 12,000 50,311 300,000 45,000	Matabld, Orange Rv Cape Col.	Warnford Court 10, Helen's Place. 19, St. Swithin's-lane 3, Queen-street-place,	Roodepoort Deep Roodepoort Un. G Rose Deep Rosenblock Tw'Ris	11/16 13/16 23/6 27/4 53/6 53/6 4 43/6 1 1 3/6 1	5% 6 4% 4% % 1	1 0 1 0 1 0	5/ Aug 14 '95	1 0 0 0 1 0 0 0 1 0 0	170,000 130,000 300,000 60,000	Rand M. Rf. rand Krugersdp	8. Old Jewry, E.C. Warnford-court, J 30-31, S.Swith's, lane, 4. Tokenhouse bldge
Cen, de Kaap Montrose G	1/4 1/6 1/ 1/6 8/6 9/6 1/4 2	1½ 1½ 1/ 1/8 8/6 9/6 1½ 2	1 0 5/- 1 0 1 0	10pcJuly 11'95	1 0 0 0 2 6 0 18 6 1 0 0	75,000 69,000 210,000	Johanbrg. De Kaap Transvaal.	99, Cannon-street. Palmerston Buildgs, 15,George st. Mn.Ho. 120, Bishopsgate st.	St. Angelo	276 356 356 376 156 156	334 356 334 4 17/10 12/16	1 0 1 0 1 0 1 0		1 0 0 1 0 0 1 0 0	175,000 98,000 850,000	Rand Lydenburg	S5, Bishopsgate at. Winchester House. 96. Greathan Ho., E0 18, S. Helen's place.
Champ d'Or G Oharteriand G.F Chimes West Oity and Sub.NwG Ooetseestroom G Oon, Buitfontein D	156 136 136 136 136 136 5/ 6/	236 256 76 1 116 116 456 476 4/3 4/9	1 0 1 0 4 0	10/- June 95	1 0 0 1 0 0 1 0 0 4 0 0 0 6 0	116,016 150,000 150,000 340,000 140,000	Rand Rand De Kaap	8, Old Jewry, E.C. 2, Salter's Hall Court 8, Old Jewry, E.C. 96, Gresham Ho., E.O 105, Leadenball-street	Silati	% 7/4 6% 7 7% 7% % 7%	% % % % 834 834 834 11/16 11/16	1 0 1 0 1 0 1 0	2/ Aug 14 95 5/ Jun 12 '95	1 0 0 1 0 0 1 0 0 1 0 0	119,000 250,000 250,000 158,000 99,070	Zoutpan'bg Rand S. Africa Rand Lydenburg	8. Old Jewry.  Winchester House, 15. Bishonsgt-st W.
Con. Buitfontein D Con. Deep Levels G Con. G. Fields S.A. Do. 6 % Pref Do. 5 % % Deben	30/ 31/ 4% 5 10% 11% 24/ 25/ 111% 112%	30/ 31/ 41/6 5 113/6 12 23/6 24/6	1 0 1 0 1 0 5 5	334 % Sept. '94 4/- Jy 11 '95 20/ Nov. 14 '95 7 1-5d June '95 534 Oct, '95	1 00 1 00 1 00 5 00	721,500 187,250 1,250,000 1,243,999 600,000	Griquaind Transvaal S. Africa	52, Lombard-st. 30, St. Swithin's-lane 8, Old Jewry.	Stanhope	1 134 8/6 9/6 134 134 /6 1/ 2 234	8/6 9/6 19/6 1 <sup>11</sup> /10	1 0 1 0 1 0 5/	2/- Oct 20 '95 	1 0 0 1 0 0 1 0 0 0 5 0 1 0 0	34,000 220,000 392,000 647,976 439,965	Rand Zoutpan'bg Barberton Rand	96, Greeham Ho., EO Dashwood Ho. Gresham House, Copthall House Broad-st, House, E C
Orown DeepG	81/4 91/4 101/4 101/4 241/4 243/4	816 916 1036 1036 2416 2436	1 0 1 0 5 0	5/- Jy 11 '95 12/6 Jy 11 '95	1 00	250,000 120,000 789,791 £3,50000	Rand	120, Bishopsgate-sa. 62, Lombard-street.	Consolidatd Est. & Dev. Gen. Assoc. Gold Exp. G	136 136 1376 13716 236 236 436 436	134 134 137 137 137 137 138 236 136 236	1 0	10 % Mar. 95 1/-Aug 14 '95	1 0 0 1 0 0 1 0 0	285,700 210,000 260,000 135,000	Transvani .	76, Old Broad-st. E.C. 30, S. Swithn's lane, Suffolk House, E.C. 120, Bishopsgt-st. Wa
Driefontein Durban Roodept.G	10816 10916 10416 10516 3/8 4/6 176 216 7% 7%xd	2 214	1 0	5% Jy 11, '95 5% Z Oct. 95 — 3/- Dec, 16 '95	1 00	720,000 250,000 175,000 £125,000	Doornkop Rand	Warnford Court Winehester Ho, 28, Leadenhall-bldge	,, Gold Fields ,, Land	3 3½ 36 36 2½ 2½ 8/ 9/ 1 156	3/6 3/6 2 1/6 2 3/6 8/6 9/6 1 1/6	1 0 1 0 1 0	12½ % Sep.'94 8½ Jan. '94	1 0 0 0 1 0 0 0 1 0 0	79,915 60,000 100,492 45,000	S. A. R Transvaai , Rand Manica Transvaai .	Warnford Court, Broad Street House, 110, Cannon-street.
Ragle's Nest	36 36 pm 13/16 13/16 15/16 13/16 16/16 411/16	36 36 pm 15/10 11/16 36 36 4% 436	1 0 1 0 1 0	=	0 5 0 1 0 0 1 0 0	30,000 240,000 275,000 570,000	Barberton Klerksdrp Rand Rand	54, St. Mary Axe. Winchester House, 8, Old Jewry. 170, Winchester-ho.	U. Langlangte(A)G United Matabele , Pioneer , Rhodea,G F Van Ryn G	196 176 36 1 26 1 26 5 26 5 26 5	156 176 36 1 36 1 76 1 536 536	1 0 1 0 1 0 1 0	=	1 0 0 1 0 0 0 10 0 1 0 0	75,000 75,000 75,000 225,500 160,000	Rand Africa De Kasp Rhodesia Rand	85, Gresham Ho., E.O 19, S. Swithin's lane, 16, S. Helen's-pl., E.O 13, George street, EQ 18, St. Swithin's-in,
Exploration	1 156	1 114	1 0 1 0 1 0 1 0	10 % Jan. '89 1/- Dec. 28 '94 2/ Dec. 16, '95 13/ Jy 26 '95	1 0 0 1 0 0 1 0 0	152,500 86,000 148,000 216,215 45,000	E, Rand	120, Bishopsgate st. 28, Old Jewry, B.O. 30, 8, Swithin's-In.? 19, 120, Bishopsgt st, Wn?	Venterskroon Village Main Reef Vogelstruis Estate	3 3 3 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	76 156 336 336 136 156 536 556	1 0	=	1 00	116,091 120,000 177,000 200,000	Rand	8. Old Jewry. Winchester House.
Forbes Reef (Nw)G Geldenhuis DeepG Geldenhuis Est. G Main Beef George and May G	5% 6% 4% 4% 1% 1% 1%	534 634 434 436 11/16 13/16	1 0 1 0 1 0 1 0	6/- Jy 26 '95 1/ Bep. 27 95	1 0 0 1 0 0 1 0 0 1 0 0	105,000 265,000 187,500 150,000 112,750	De Kaap Transvaal . Rand	120, Bishopsgt st. Wn] 45-6, Leadenhall-st. 30, 5t. Swithin's-lane. 120, Bishopsgt st. Wn] Warnford Court, E.O 7, Great St. Helen's.	Wassau	N N	1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 0	£1 Dec 1895,	1 0 0	327,750 100,000 55,000 207,000	Gold Cosst  Rand Main Reef	147, Cannon-street 19, Bury-street, ?? Suffolk House,
GochG	15/16 21/16 36 1 313/18 313/16 1/ 8/	25/16 27/16 13/16 15/18 315/16 41/16 7/- 8/-	1 0 1 0 1 0	15 Jy 28 '95	1 0 0 1 0 0 1 0 0	100,000 130,000 200,000	Drietion . Rand	Johannesburg. Warnford Court, E.O? 2, Drauers-gardens. 11, Queen Victoria-st	Western Nigel	36 156 1576 1576 6 dis par 1176 11376	% % % % % % % % % % % % % % % % % % %	1 0 1 0 1 0	=	1 0 0	240,000 700.000	Rand	8, Old Jewry. 3, Copthall-bidgs,
Gld. Fis. DeepG G.F. of Lydenb'rg G.F. of Mashonid. GraskopG Griqualand WD	5/6 e/	736 756 236 336 36 36 5/9 6/3	1 0 1 0 1 0 5/-	15 % Dec. '89 	1 00	200,000 400,000	6. Africa Lydenb'rg Mashonld. Lydenburg	8, Old Jewry. 7, Lothbury. 19, St. Swithin's-in. 2, Tokenhouse Bidgs	Wolverand G Wolverand G Worcester G Zambesia Explora	7% 7% 3 4 4 4% 3% 4	5% 5% 7% 8 3% 4 4 1% 3% 3%	1 0 1 0 1 0 1 0	rts Apr 26 '94 3/- Sep 27 '95	1 0 0 1 0 0 0 18 0 1 0 0	250,000 130,000 39,021 90,727 65,000	Transvaal . Rand Fransvaal .	19, Bury-st., E.C. Warnford-court.† Blomfield House. 8, Old Jewry.I 30-31, Clement's lang
Guy Fawkes G Gwelo Exploratn. Harmony (Pref) G Heldelbg, Est. Ex:	136 136 2/ 3/ 4/6 5/6 136 136	8 8 % 13 13 13 13 13 13 13 13 13 13 13 13 13	10 0 10/- 1 0 1 0 1 0	2 % Sept. '94	0 10 0 0 10 0 1 0 0	105,700 24,000 260,000	Transvaal . Manica Matabeleid Heildelbg .	62, Lombard-street Broad-st. Avenue 18, Bishopsgate st. 73 %, Gracechurch-st.				BR	TISH M	INES.			
Henderson's Trans Henry Nourse G Hetty	5% 5% 11/16 13/16 11/16 13/16 11/16 13/16	21/10 23/10 21/10 23/10 5% 5% 3% 7% 5/10 7/10 7/- 9/-	1 0 1 0 1 0 1 0	=	1 0 0 1 0 0 1 0 0 1 0 0 1 0 0	500,000 250,000 100,000 110,000 57,404	Zoutpanbg De Kaap Middlevel.	32, Gt. St. Helen's. 85, Gracechurch st. Warn'erd-court. 55, Bishopsgate stWn 21, Mincing Lane.	Blue HillsCT Carn BresT Cook's KitchenT	1/ 3/ 11/ 12/ 3/ 34	1/- 3/- 11/6 12/6	*	2/- May, '81 2/6 Dec., '93	35 15 17		Cornwal! Cornwall	Camborne. Carn Brea. Camborne.
Johannesburg G.F. Invest. Johannesburg Par Jubiles	77 8/ 39/14 3 11/14 9 9/4 8 3 14 7 14 7 14	7/- 9/- 311/16 313/16 9 9% 8 8% 7% 75%	1 0	20 X Oct. '95 12% X Nov. '93 6/ Nov. 28 '95 25 X Aug 29 '95	1 0 0 1 0 0 1 0 0 1 0 0	99,537 650,000 21,000 30,000 100,000	Johanburg Rand	31, Lombard-st., E.C. 7, Lothbury. Johannesburg. 8, Old Jewry.† 120, Bishopsgt st., Wn.]	Devon Gawton CA , St Cons. CA Dolcoath	15/ 20/ 13/ 13/ 17/ 17/6 5/- 6/	15/ 10/ 11/4 13/4 19/ 20/ 5/ 8/	1 0 5 0 1 0 1 0 6/	1/6 May '95	0 12 6 2 0 0 1 0 0 part paid 0 2 0	25,000 10,240 — 61,856	Tavistock Devon Cornwall	8, Finsbury circus, Camborne.  Dashwood Bouse.
KimberieyD Ridpt Klerkedorp KoffyfonteinD Lancaster	% % pm 1% 2 11/ 12/ % %	34 % pm 1% 2 10/6 11/8 13/4 15/4	1 0 1 0 10/-	2/ Dec, '95	0 10 0 1 0 0 0 9 0 1 0 0	98,672 125,008 400,000 125,000 226,500	Kimberley  Klerksdorp Jacobsdaai Luip, Visi	19, Finsbury-circus, 2, Drapers-gardens, 110, Cannon St, 6, Gt. St. Helen's, 120, Bishopegt st. Wn	great LaxeyL Green HurthL	20/- 25/- 4 41/4 13/4 13/4 1/6	20/ 25/ 4 4% 1% 1% 1/8	4 0	1/6 Sept, '94 5/- Apr., '92 -/6 June '89 2/- Sept. '95	0 2 6 0 9 9 4 0 0 0 19 0	12,600 6,400 15,000 1,000 10,000	Flintshire Cornwall L. of Man Omberind Flintshire	67, Lord St., Liverpl: Illogan. Douglas, Isle of Man. Newcastle. Chester.
Langiaagte Est. G Do. Royal Do. Star Lionadale	5% 5% 112/18 113/18 136 23/6 4/3 4/9	5½ 5½ 1½ 1½ 2½ 2½ 6/ 4/	1 0 1 0 1 0	5/- Jy 11 '95 rte. Mar. 6'95	1 00 1 00 1 00	470,000 100,000 170,000 115,000	Rand Lydenburg	59, Holborn Viaduct 2, Drapers-gardens, 85, Gracechurch-st. Euffolk House,	Halkyn L Do.Dis. Mn. Drain Isle of Mau L Killifreth T Leadhills L	9 10 10 11 334 454 4/6 5/6 1 136	9 10 10 11 3% 4% 4/6 5/6 1 1%	10 0 5 0 6 0	5 % Aug. '95 3/- Dec. '35 1/8 Nov., '94 1/- Oct. 16 '95		10,000 14,000 6,000 80,000 21,990	I. of Man Cornwall Lanarksb.	Corn Ex. Cmb, Chestr, Chester. Truro. 30, Finsbury-circus. 8, Werburgh Chmbrs
Lisbon-Berlyn G Lo Magunda Lon, Paris Fin & M. London & S. A. Ex. Lower Roodepoort	5/ 8/8 234 334 1 136 1334 1334 1/6 2/	8/6 7/ 23/4 34/ 11/6 13/4 133/4 133/4 1/8 2/8	2/6 1 0 1 0 1C/ 1 0	4/- Dec. 27 '95	1 0 0 1 0 0 0 10 0 1 0 0	889.233 120,000 500,000 100,000 150,000	B. Africa Vlakfoptn	8. Old Jewry 53, Old Broad Street. 19. Finsbury-circus. 8. Old Jewry, E.C.	Levant	9AF 9AF 434 436 1/6 56 36	par par 4% 4% 1/6 % 76	1 0	4/- Nov., '94 6 % Feb., '91	1 C 0 0 15 0 11 9 6 0 18 0 2 1 5	3,790 2,500 48,805 18,000	Denbigh Flintshire Cornwall Sthumbid. S.Agnes, Cl.	Chester. Penzance. Newcastle on-Tyne. 37. Walbrook.
Luipaards Viei Est. Lydenburg Est Main Reef (New)G Marie Louise Marievale Rigel	13/10 13/10 13/10 13/10 13/10 11/10 23/4 3 3/4 13/4	13/16 15/16 11/6 15/6 1 11/6 23/6 3 1 11/6	1 0 1 0 1 0	6% Mar, '90	1 00	319,003 111,500 60,000 250,000	Rand	Warnford-court.] 15, George St., MnH	Bhosemor L  So. Condurrow TC  , Orofty TA  S. Frances Untd. T	par	par 1/6 2/8 3/ 5/ 34 1 par	1 0	3/6 Apr. '93	1 0 0 7 17 6 17 10 6 2 7 6 1 0 0	1,000 6,123 5,769 6,600 10,000	Flintshire Cornwall "Flintshire	Corn Ex. Cmb. Cheste. 20, Great St. Heleus Pool, Cornwall. Redruth. 5. Werburgh Chmbrs
Mashon Agency ,, Central Massi Keesi Matabelel'd G. R'I May Con. (New) G	2 % 23/19 1 1% 9/8 10/6 33/4 4 23/4 23/6	2½ 2¾ 1½ 1¾ 9/8 19/6 3% 4½ 2% 3	1 0 10/	2/- Oct 30 95	0 7 6 1 0 0 1 0 0	100 000 180,000 60.007 110,000 236,509	Mashonaid Manica Matabelel'd Rand	8, Old Jewry, E.C. Broad Street Avenue 3, Copthall-buildings. 4, Lothbury. I	Talacre	par 234 334 8/9 36 34 336 836	par 234 3 8/9 34 34 336 336	1 0	2/- Aug. '94 1/3 Oct. '90 2/6 May, '89 2/- Dec, '94	0 15 0 15 7 6 1 10 0 17 1 7	20,000 6,000 50,000 6,144 8,000	Flintshire Cornwall Durham Cornwall	81. Forgate st., Chate Carn Brea. 3. Lombard-court. Camborne. 37. Walbrook.
Metropolitan (N) G Meyer & CharlG Middleburg Coal Middle Viel	5% 5% 4/6 5/6 1 1%	536 536 4/6 5/6	100	25 X Jy 11 '95	1 00	75,020 71,687	-	1, Crosby Square.] 120, Bishopegt-st. Wn]	"KittyT Wheal AgarTA "BassetTC "Friendly.,T "Grenville T	3/ 5/ 3 334 1/ 1/6 10 11	3/ 5/ 3 31/6 1/- 1/6 10 11		2/6 Aug. '88 10/- Apr. '88 3/- Nov 28 '95	23 15 2 12 3 0 0 12 9 18 2 0	8,000 8,144 10,000 8,000	99 99 99 99	Redruth.  2. Copthall Bidgs.E.O.  7. Union-court, E.U.
Minerva	136 176 136 736 136 236 136 136 36 36	1½ 2 7½ 8½ 2½ 2½ 1½ 1½ 1½ 1½	1 0	3/- Yeb, '90	1 00	150,000 200,000 220,000 70,000	Modderftn De Kaap	65, New Broad-street	, KittyT	3/3/6	3/ 3/6	PITT	OPEAN	4 5 6 0 3 0	8,590 60,000	**	Truro. 14, Broad-street Av.
Moodles G.&BG Mozambique	11/16 13/16 1 13/16 1 13/16 13/4 43/6 11/ 12/	34 % 136 134 1 134 434 436 11/6 12/6	1 0 2 0 1 0 1 0	-/4 May '90 2/6 July '91	1 0 0 1 0 C 2 0 0 1 0 0 0 17 0	240,000 400,000 94,351 190,000 167,462	S. B. Africa Namaquaid Waterberg.	83, Hatton Garden. 33, Cornhill.	ilamillosL	76 136 0 36 636 636	76 136 0 36 636 636	2 0	1/6 Oct. 16 '95	2 0 0	35,000 51,584	Bervia	8, Queen-street-place 4, Tokenho. Bidgs. 19, Grey-st, N'castle,
Mew Ohimes G  Olewer Estate Comet G  Gordon G	2 234 134 2 234 236 1956 111/16 5/8 6 /	2 1/4 2 1/4 2 1/4 2 1/4 2 1/4 2 1/4 1 11/4 1 1 1 1/4 6 6/ 6/6	1 0 1 0 1 0	15 pc Aug. '95 10 % Feb.28 '95 rts Apr 17 '95 5 % Dec. '29	1 0 0 1 0 0 1 0 0 1 0 0	100,000 100,000 175,000 255,000 404,344	Rand Lydenburg Heidelburg Langisagte Griqualand	Winchester-house, 120, Bishopsgt.st. Wn 110, Cannon-street.	Fortuna L	1 11/6 23/4 3	1 136 234 3 5 54	2 0 5 0 3 0	5/- July 94 -/6 Oct. 16 '98 2/- Sept. 27 9: 7/- Oct. 16 '98	2 0 0 5 0 0 5 3 0 0	25,000 50,400 14,998	Spain Spain	Dashwood Ho., E.C. 5, Queen-street-place.
JagersiD  Kleinfonteir G  Louis D'Or G	776 856 836 836 336 336 1/8 2/8 336 336	7% 8% 3% 8% 336 3% 1/8 2/8 3% 3%	1 0 5 0 1 0	2/- Oct 30 '95 10/ Oct. 16 '95 12% pc Mar, '95	1 00 1 00 1 00 1 00	88,750 100,000 82,500	Rand Transvaal . Rand	98, Gresham Ho EC 5, Copthall-buildings Winchester House 53, New Broad-street 120, Bishopagt-st, W.	LinaresL Mason & BarryC PestarenaG PontgibaudSL kio TintoC ,, (1st Mrt. Bds)	2% 2% 4/6 5/6 15% 15%	21/4 23/4 4/ 8/ 165/6 157/4 99 100	5 0 3 0 20 0 10 0	i/ May 23 '94 11/6 Dec. '94 10/- Oct. 30 '96 4 % Oct. 1, '95	3 0 0 20 0 0 10 0 0	185,173 67,309 14,000 325,000	Coueron Spain	8-7, Queen-street-pl.
Primrose G	6 65%	515/16 61/16 15/16 15/16pm 31/6 33/4 8/3 8/9	1 0 1 0 1 0	25pe,June'95	1 00 1 00 1 00 0 19 6	278,750 110,003 160,000 299,137	Band	2. Draper's-gardens. Bartholomew-house Warnford-ct., E.C. 30-1, St. Swithin's-in	Tharsis	436 8	436 6	1 0 2 0 10 0 16 0	1/- Apr 26 '86' 87' Sept 95' Sept '95' 47', Bept '85'	0 19 0	95,000 635,000 365 5,450	Bervia Bpain Germany	120, Bishopagt-st, Wall Glasgow. Walbrook Ho., E.O.
steyn Estate Virginia G	1% 1% 1% 1% 1/5 2/6	136 136 137 136 1/6 2/6	10/	=	1 0 0	113,701 125,000 48,335	Hand Heidelberg Transvaal	24, N. John-st., L'pl. 19, Bury Street. B.C. 28, Budge-row, B. C.	Wohlfahrt	-	=	1 0	37 Dec. 94	1 00	99,634	Prussi's	17. Victoria-st., 8.W,

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#### "THE MINING JOURNAL" SHARE LIST-(Continued)

	AUSTR	ALIAN	AN	D NEW	ZEAL	AND	MINES.		AUSTRALIAN AND NEW ZEALAND MINES-(Continued).								nued).
Name.	Closing Price,	Closing Price,	Am't.	When last XD	Called	Amount of Stock or No. of	Situation	H-40F-	Name.	Closing Price. Dec.20, 1895	Closing Price.	Am't.	When last XD and	Called up Per	Amount of Stock or No. of	Situation	Head Office
	Dec.20, 1895.	Dec., 13, 1895.	Share	Dividend.	up per Share.	Shares Issued.	Mine.	Head Office	W. A. General	9% 5 pm. 5% 5%xd 7/ 8/-	Dec. 13 1895. 5% 5pm	Share	4/- Dec 16 '95	0 14 0 1 0 0	Saares Issued.	W. Austral Goolgardie	28, St. Swithin's-In
Achilles Gld Fld. Aladdins Lamp G Anglo-French Exp	1/9 2/3 1/9 1/3 1/4 1/6 5/6 7/6 pm 5/4 1 pm	1/6 2/ 17/6 19/16 56 % pm 3/1 pm	2/6 1 0 1 0	3/ Dec 16 '95 5/- Oct 30 '95 5/ Oct, 20 '95	0 2 6 1 0 0 1 0 0	642,456 100.0.0	M rehison N.Zealand N.S.Wales W. Austral	17, Old Broad st. 11, Poultry. 4-6, Throg. Avenue. 79, Queen Street.	" Aust. Mining " Aust. Pioneer. " Share Corp. " Trust	7/ 8/- 1½ 1½pm ¾ ½pm ½ ¼ dis 2 3pm	5% 6% 6/6 7/6 1% 1% pm % % pm % % die 2 3 pm	1 0 1 0 1 0	/5 Oct 18 95 rts Oct 19 95	1 0 0 0 15 0 0 5 C 1 0 0	194,141 19,993 200,0:0 50,000	W. Austral	257, Winchester Ho, 139, Cannon-street, 28, St. Swithin's In 54, Old Broad Street
Anglo-Ger, Explor. Arrow Brownhill G Assoc. Gold Mines Anatin	% 1 136 1% 1/18 9/18 3/6 4/	136 116 136 256	1 0	-/4 Dec 28 '94	1 0 0	50,000 375,000 66,000	Coolgardie Murchison	4. Gt. Winchester St. 20. Bucklersbury 23. College hill, EC	West Boulder Westralia White Feather	76 156 34 1	36 136 34 1	1 0	15/ Oct. 30 '95	1 0 0	60,000	Coolgardie	3, Princes Street.  Winchester House. 28 & 29,8, Swithin's in
AustralasianG  AustralianC  Aus, Bro. Hill Con.  Baker's CreekG	1/3 1/9	3/9 4/3 1/9 2/3 1/9 3/4 1/4 1	20 0	-/8 Mar., '92 -/9 Aug. '95 1/- June, '91 1/- May '95	1 0 0 7 7 6 1 0 C 0 17 6	210,000 18,315 522,708 100,000	Queensind B. Austral, N.S. Wales N.S. Wales	15, Old Jewry Chbrs. Dashwood House.	Whitehe'd&Sultan Zapopan	36 36 36 dis par 3/6 4/6	3/6 4/6	1 0	-/4 Dec. 95	1 0 0 0 5 0 1 0 0 1 0 0	75,000 150,000 25,900 66,000	**	139, Cannon-street 13, Abchurch-lane, 70, Bishopsgate-street 11, Queen Victoria et
Eardoe G Bayley's Reward G Big Blow G Blackett's Claim G	5/ 6/ 5/ 6/ 16 %16 16	1/6 5/6 1/6 5/6	1 0 1 0 1 0	-/4 Dec. 94	1 0 0 1 0 0 1 0 0	480,000 145,000 55,000	W. Austral Coolgardie	43, Threadneedle st.	50 to	=	NOR	i o	214 Dec. 95	0 2 6	12,000	99	H H
Back Flag	2/3 2/9 8/6 9/6	2/3 2/9 8/6 9/6	1 0	-/4 Nov 29,'9E	1 0 0 1 0 0 0 18 6 2 0 0	140,000 120,000 250,000	Acek. N.Z N.Zealand	1, Metal Exch, Bidgs Dashwood House, 16, S. Helen's Place	Alaska MexicanG	11/4 13/4 51/4 51/4 -/9 1/	1½ 1½ 5½ 5½	\$5 \$25	7 1-5d. July,95 1/8 July, 95	\$5 \$25	160,006	Alaska	30, St. Swithin's-In
Brilliant	11/10 13/10 13/8 2 115/16 21/10 9/18 11/16	113/16 115/1 115/16 21/1 5/6 3/4	# 1 0 # 10/ 1 0 8/	-/6 Dec 16 '95 1/ Nov 12 '95;	1 0 0 C 10 0 1 0 0 0 8 0	70,000 72,000 240,000	Queensind N. S. Wales	16, S. Helen's Place	Almada and TS American BelleS Anglo MexicanS	1/0 1/6 16/ 18/	/9 1/ 1/3 1/9 16/ 18/	1 0	-/6 Mar. '91	1 0 0	351,008 398,890 74,850	Mexico Colorado Mexico	6, Queen-street-place 25A, Old Broad-street 23, College Hill.
Britons United G Broad Arrow Broker: Hill Prop. S	34 1 2/3 2/9 256 234 1 134	3/ 2/6 25/6 25/4	5/		1 0 0 0 4 6 0 8 0	960,000	N. S. Wales	57, Moorgate 8 rest. 3, Gt. Winchester st.	Arizona (Pref.) Cu , 6% A Deben. , 7% B Deben.	43/0.43/3 106 93%	43/6 44/ 105 9236		7% Oct. 30 '95		£135,300 £181,300	Arizona	**
Brookman Bros Brownhill Propty. CaledonianG	1/6 2/6	1/6 2/6	1 0	=	0 10 0	120,000	Han, W.A. Coolgardie W. Austral	4, Gt. Winchester st	De LamarGS Dickens Custer GS DoricG Eikhorn Priority S	15/16 1 1/3 1/9 2/ 2/6 par 3/4 pm.	15/16 1 1/3 1/9 2/ 2/6 2/ 2/6	1 0 1 0 5/ 1 0	1/- Oct. 50 '95 -/3 June 26 '95	0 19 9	125,000	Colorado Montana	6, Drapers-gardens. Winchester Ho. E.C. 6, Draper's-gardens.
Carrington	3/ 4/ 1/18 */18 18/18 15/18	36 1	1 0 1 0	=	0 12 6 1 6 0 1 0 0 1 0 0	100,000	Queensind Coolgardie W.Austral	9, Tokenhouse Yard. Winchester House,	Gen. M'g. Assoc, Golden Feather G	-/6 1/- 6% 7 4/6 5/6	-/6 1/- 61/6 7 9/16 3/4	5 10 1 0	14/- Apr. 95	5 10 0 1 0 0	27,469	C. Breton California	Blomfield House.
" Exp. of W.A. Chaffers	3/5 4/6 /9 1/3 /9 1/3	1 134 4/6 5/0 /9 1/3 1/ 1/6	10/	=	0 9 0	122,000 300 000 200,000 300,000	Queenslad	2, Met. Exchg. Bldgs 54, Old Broad-st., E.O	, Gate G , Leaf G Harquahala G	3/ 4/ 1/6 2/ 6/3 6/9	3/ 4/ 1/6 2/ 6/3 6/9	1 0	_ -/8Nov.14,'94	1 0 0	79,600	ontana Arizona	8, Draper's Gardens, 6, Draper's Gardens,
Gold Finance Gold Fields	2 3% pm % 36pm	336 356 pm	1 0	rte Oot 10 '95	0 10 0 0 12 6 1 0 0		W. Austra	30, Moorgate Street.	Holcomb Valley G  Jackson Goldfields	-/9 1/3 1/ 1/6	1/- 1/6	5 0	_	0 5 0	540,000 408,635	California California	14, Cornhill, E.C.
"Murchison Gonsuello G Constl. & W.A. Trust Coolgardie Gold Mining G	par % pm	par % pn % 1%	n 1 0	1/6 Oct 16 '95	0 15 0 1 0 0 0 5 0	65,000 64,010 100,000 40,000	Cool. W.A.	Broad Street House. Bishopsgate House. Broad Street House. Broad Street Avenue.	La PlataS: La YescaGS	-/9 1/ 1/3 1/9 1/9 2/3	/9 1/- 1/3 1/3 1/9 2/3	1 0 5/ 1 0	-/6 Dec.'92 1/3 Oct.'82	0 19 3 0 4 8 0 19 6	405,000	Montana Colorado Mexico	Dashwood House, 11, Poultry, E.C. 20, Bucklersbury, EO
Oraven' Cal G Orown Bayley'sG	36 36 2/ 3/	1/0 2/	6/	-/3 June 94	0 1 0 0 4 8 0 10 0	150,000	Coolgardie Queensind Coolgardie	Winchester House, 20, 8, Swithin's In. 30-1, S. Swithin's-le, Bishopsgate Ho, E.C.	Mammoth Gold Mesq. d'l Oro (P) G ,, (D) G	Ξ	1/ _1/6	1 0 5 0 5 0	Ξ	1 0 0 5 0 0 5 0 0	10,000	Pnal, Ariz.	Dashwood Ho., E,C.
Oumbrind (New)G  DayDawn B.A.W.G	9/3 9/9	9/3 9/9	1 0	2/6 Dec, '87 -/6 Nov. 14'95	1 0 0	184,090	Queenslad	110, Cannon-st., E.C. Blomfield House.E.C. 16, 8, Helen's Place	Montana	7/3 7/9	7/6 8/	1 0	-/3 Sep. 27, '95	0 19 6	34,503 191,045	Montana Colorado M Carolina	Gresham House, E.C.  S. Geo. Ho., E'cheap 15. George-st., E.C.
EaglehawkG	1/5 2/6	3/3 2/9 1/6 2/6 1/10 3/6	1 0	-/6 Apr. '92	0 18 0	55,000	Vict oria W.Austral	Winchester HoE O  30-31, S. Swithin's in 4. Fenchurchet.	GustonS Hoover HillG	74 74 -/8 1/- 1/ 1/6	1/ 1/6	10/	1/- Oct. '92 -/9 Dec. '85	1 0 0	110,000 120,000 418,888	Colorado N Carolina Mexico	32, Old Jewry, E.C.
Imperor	26 26	% % % % % pm	1 0	=	0 10 0		Murc., W A Coolgard is W.Austral	Finsbury House, EC.	Parral ConsGS PinosAltos(Df)GS , 15 Z Cum Pref	% % % 110	% % % 1	1 0	-/6 Mar.' 90	1 0 0	121,007	**	Paimerston Bldgs., EQ 110, Cannon-street.
Fingall M'is, Extd	.8 .8	36 % 1% 13	1 0	=	1 0 0		**	20, Gt. Winchester #1 18, St. Swithin's in	Bichmond GSL St. George	34 34xd 1/8 2/6	奶- 粉-	5 0	1/- Dec. 16 '95	0 49	122,500		44, Coleman-street. £8, Lombard-street.
Gem of Oue	3/6 4/6 36 76 36 1 1/9 2/3	3/6 4/6 3/6 3/6 3/4 1 1/9 2/3	1 0	E	0 5 0 1 0 0 1 0 0 8 8 0		Murc.W A N 8 Wales W. Austra	6, Queen-street-place 43, Threadneedle st	Bierra ButtesG Do. Piumas Eur. G SpringdaleG	173 179	1/3 1/9	1 0 1 0	-/8 Oct. 30°95 -/9 Oct. 30°95 -/2 Sep. 28, 94	91	140,265		20. Abchurch Lane.
Glenrock	17/16 19/16 13/16 19/16	% % pm 1% 1%	1 0	=	0 10 0	68,086	Murchison W.Austral W. Austra	3-5, Queen-st. B.C. Winchester House 79, Queen Street, E.C. 54, Old Broad Street,	Twin Lake Placers	SOUTE	1% 1% F AND	1	NTRAL A		1	,	jē, Lawrence P. Hl.E.O
GateG "Horse Shoe " LinkG PlumG	36 76	11/16 13/16	110	5/- Oct 30' 95	1 00	90,000	W. Austra	13. Helen's Place Dashwood House 4. Bishopsgate Street	Anglo-Chillan PtN	8 816 108 108	8 816	10 0	13/11 1-5 Jun 95	10 0 0	35,000	Antofagst.	123, Bishops,-st. W,
Great BoulderG	13/18 13/16	234 234 554 534 174 194	10/	3/ Bep 12 '95 2/- Dec 16 '95	0 10 0	240,000	Yilgarn	42, Greeham House, 3, Gracechurch et.	6% Rylst MB Antio: (Pref.) G.S. Antioquia (ordiny) B. Guiana Prosp.	Ξ	Ξ	1 0	6% July, '95 -/# Mar. '90 25% Oct. 95	-00	22,820	Colombia Brit.Guan	184, Gresham Ho. 184, Gresham Ho.
Fingall Rfs. Greaham Synd Hainault	136 136pm 136 136	136 136	1 1 0	4/- Oct 30 '95	1 0 0	\$0,000	W. Austra	82. Gordon at., Glas.	Oaratal	-/9 1/3 -/9 1/3 1½ 1¾xd	-/9 1/3 -/9 1/3 1% 2	2/8 2 0 5/ 5 0	1/- Apr. 94 2/6 Dec.18, '95	0 400	125,000 200,000 32,000	Venezuela Peru Coiombia Chili	57, Moorgate-st. E.O 52. Leadenhall street 5,Copthall-bdgs., E.O 12, King-st., Liverp'l Cludad Bolivar.
Gold Rill Plains Plains Ex Eannan's Brwn Hil		79 17- 334 354 7/6 8/6 576 634	1 1 0	E	0 8 6	300,000	Cool ardi	Suffolk House, E.C.	Colombian HyG Colombian HyG CopianoC Darien "A"G "B"	1% 2% ad 4% 4%	778 778	20 0 1 0 2 0 1 0	10 frs. Aug. 94 1/- Jy 26, '95 2/6 Dec. 16 '98	1 00	75,000 100,000 49,553	Venezuela Colombia Chili Colombia	10, Blomfield-street Dashwood House, E. O Manchester.
Main Reef North	12/10 15/10	12.12	10/	E	0 10 0	=	61 60 60	15, St. Swithin's in. Dashwood House,	Don Pedro	8% 7 1/ 2/ 36 36 136 136 1/9 2/3	6% 7 1/ 2/ 36 36 10/4 10/4	1 0 5 0 1 0		1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	30,000 133,102 257,600 128,662	Brazil Venezuela Colombia	24-5, Devonsh.CsE.C 8, Bishopsgtst, Wn 1 184, Gresham House
Prop	74 4	1 156 8/6 9/-6	1 0	E	1 0 0	70,000	B.Coolgde	. Finsbury House E.C	GlenrockG GravelG GuadalvpeGS	1/9 2/3 2/- 3/- 3/6 5/-	1/9 2/3 2/ 3/ 3/6 5/	1 0	Ξ	1 0 0 0 18 8 1 0 0	199,948 100,000 120,000	Arg. (& I.) Colombia Honduras	3-5, Queen-street, E,O 10, Blomfield-street 14, Union ct.Old Brd
Hauraki G Hawk's View G Idaho GS Kaboonga G	36 76 7/ 7/6 1/3 1/9	7/6 8/- 1/ 1/6	10,		1 8	40,000 143,439 249,250 34,000	W. Austra Queenalna W. Austra	20, St. Swithin's In.	Huanchaca8  Javaii6  Julia TaitalN	3/10 3/10	- ×	5 0	4/- Bept, '94 836 Z '91	0 2 0 1 0 0	320,00G 105,234 2C0,000	Bolivia Nicaragua Chili	10, Avnu. d'Alma, Paris 139, Cannon-street. 79%, Gracechurch-st.
Kaigurii	7/6 8/	8/-7/- 7/ 8/ 3/16 %18	1	rte May 24 '95	1 0	87,938 249,760 80,000	N.Zealand Murchison	1 68, Coleman-street, 1 9, New Broad-street. 2 33, Broad-st. Avenue	Lagunas N Lautaro N Liverpool N	214 214 5 516 8 9xd	2 234 434 534 10	5 0 5 0	15p.c. Dec. 94 7/6 June 95 15/-Dec16, 95	5 0 0	120,000 110,000 22,000	Tarapaca Chill	3. Gracechurch st; 70
Komata Reefs	3/6 4/6 36 36	3/6 4/6 3/6 3/6 3/6 3/6 115/10 23		=	1 0 5	70,000	Ha'raki,N Coolgardi	Z Dashwood House. Throgmorton House 9, Tokenhouse Yard,	Loma	-/9 1/3 1% 2 2% 3%	/9 1/3 11/6 2 21/6 31/6	3 0	3/4% Nov. '89	5 0 0	10,000	Colombia Chili	5, Copthall-buildings 9, Gracechurch-st.
Lady Loch	136 136	136 13 136 2 256 236 11/6 18/	1_0	=	1 0 0		Murchleon	18, St. Swithin's lu	Macate	1/9 2/3 1/18 3/18 1/18 1/18 1/3 1/1	1/9 2/3 1/40 3/40 5/40 1/40 1/3 1/1	1 10	8 p.c. Feb. '95	0 # 0 1 10 0 1 10 0	130,000	Peru Tarapaca	11, Old Broad-st.E.O 50, Lime-street, E.O
Len, & Globe Fin. Lendonderry	11/6	10 254 236 1/10 2/10 436 436	1 0	4/-Nov 29 '94 4/ Oct 16 '95	1 0 0	467,000	W. Austra	1 15, Austin Friars. 3, Gracechurch-st.	Orita	1/8 1/9	1/1 1/9	1 0	1/- April'89 1/- Aug. '95	1 0 0	30,000	Colombia Brazil	10, Blomfield-street. 6. Queen-street-place
Mainland Cons. G Mailina Gold Mawson's Rewrd. G Mongies Gold Est.	19/10 15/10	236 236 136 236 13/10 15/10 36 36 15/10 1/10	1 8 9	=	1 0 0	150,000 89,000 60,000	Murchison W. Austra			36 36 36 36 434 434 104 107	% % %	5 0 5 0	4/- May, '95 20 % Oct. '89 5% Mar, '92 5/-Aug.14 '95	5 0 0 3 0 0 5 0 0	72,000 40,000 241,956 120,000	Chili Venesuela Chili	3, Gracechurch-st. Liverpool. 38, Nicholas Lane. 57%, Old Broad-street
Gold Reef (O'Driscoll) Mile'Day Dawn G	13/16 11/16	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 0	-/8 Ang 29 '91	1 0 0 1 0 0 1 5 0 1 0 1 0 1 0 0 1 5 0 1 0 0 1 5 0 0 1 5 0 0 1 0 0 0 0	300,000 100,493	Queenalnd	25a, Old Broad Stree 16, Tokenhouse Yard 16, S. Helen's Place	Do, Huara Deb Serp St. John del Rey G	104 167 15/10 11/10	104 107 104 107 1 116 36 136	100 0	2/6 May 24 95	100 0 0 100 0 0 1 0 0	2200,000 327,650 32,000	Brazii	Finsby, Ho., Blmf'd st 12, King-et., Liverp
Mosman	215/16 31/16X	215/16 31/	1 0	-/6 Dec 16 '95	0 19 1 0 0 17	1,000,00	W. Austra Queensing	28, St. Swithin's In. 9, Gracechurch-st.	Pablo	1% 1%	36 136 436 536 136 2 136 136	5 0 10/	5/ Oct. 16 '95 5/ Oct. 30 '95 5/ May 24 '95 1/3 Dec. '86	5 0 0 5 0 0 0 10 0	75,000 32,000 29,000 60,000	Brazil	9, Gracechurch-st.  Dashwood Hoouse EO
Murchison Gift Gold N. Ch'm	36 1 136 136	6/ 7/ 136 13	6 1 6	1/- Oet 30 '95	0 19	0 400,000 0 160,000 8 20,000		Winchester House. 23, College Hill. 7, Union Court.	Buore PrefG	1 1/4 3 1/4 1 1/4 3	2% 3%	5 0 5 0 5/-	5/- Nov. 15 '94 10/ May 24 '95	5 0 0	#2,000 #0,000 120,000	Thrapaca Chili Colombia	3, Gracechurch-st. Dashwood House, E.C 5, Coptha'l-buildings 23, St. Swithin's in.
hew QueenG leth Boulder	5/9 6/3	7/ 8/ 6/3 6/9 1/ 1/6		-/8 Bep 12 '95	0 10 0	400,000	W. Austra Pilbarra	18, Helen's Place 226, Winchester Ho.	Tolima "A"S  B"S  Vic. & Altamira	7 716 516 6 /9 1/3	7 736 536 6 /9 1/3	1 0 5 0 5 0 5/	10% July '95 10/- Jy 11, '95	5 0 0	10,000 14,000 6,000	Venezuela	18, Finsbury-circus. Broad-st. Avenue.
"Fingali Reefs "Kalgurii "Q'id, af Agence Omnium G M Associ	18 18	1 % 1 % 1 % 1 % 1 36 1 36 1 1 %	1 0	30 % Aug. '95	1 0 1		Queensing	11, Abchurch lane	West IndianG	/6 1/-	/6 _ 1/	1/	=	0 10	-	-	
Paddington Cons Pilbarra G. F Queen's Bthdy Un lamage Syndicate	11/ 12/	1 1% 34 1 11/- 12 7 9 pm	1 1	-	0 12 0		Pilb, W. A. Victoria . W. Austra	7-8, Gt. Wnchster St			INDIA	N A	ND ASIA	1	MINE	1	1
Royal Oak	1/9 2/3 1 134 3/ 4/	1/9 9/3 1 134 5/3 5/9	1 5/	Ξ	0 3 0 0 8 0 1 10 0	200,000	N. Zealan Coolgardi	d Dashwood House, e 8, Old Jewry, E.C. al 33, Old Broad Street,	Balaghat Mysore G Burma RubyR Ohampion ReefG	2/3 2/9 12/6 15/- 418/4 51/4	2/3 2/9 12/6 15/ 413/6 51/1	1 0	= New Oct,30'98	0 19 4		Burmah	6-7, Queen-street-pl.
le. Londonderry ltray Shot & Exc	2/6 3/	36 56 2/- 3/ 2/6 3/6 34 1 3/ 4/	3/-	=	0 R 0 0 19 0 1 10 0	400,000	N. Zealan Cool, W. A Pilb., W	d 5, Drapers gardens 20, Bucklersbury.  A 30, S. Swithin's lane.	Cotar CentralG Coromandel G GoldFidsMysoreG	1/- 1/6	1/ 1/6 56 36 18/6 19/6	1 6	1/- July 91	1 0 0	200,000	"	Dashwood Ho., E.O. 6-7, Queen-stplace. 8-7, Queen-street
lown Prop. of W A	1% 1%	136 136	1 0	-/3 Oct, '95	0 15 0	250,000	W. Austre	128-9, 5, Swithin's-In Dashwood House,	Hyderabad Dec Kempinkote GdFd Mysore	2% 436 1/6 2/ 3% 3%	1/ 1/8 336 336	8 6	2/8 Oct. 30 '96	0 3	0 115,000	Deccan	16, St. Helen's-place
Victoria Associata Victory	536 5 336 336	8/6 7/ 5% 6 3% 4	1 4 4	2/- Dec 16 '95	1 0 0	16),000 18),000	Queensine N. Zealane	33, Gresham-st., E.	wynaad G	10/ 11/- 11/16 13/16 11/16 13/16	9/6 10/6 1½ 10 13/4 1 1/10 13/4	11 8	=	0 19 0 19	0 160,000 0 127,408 0 125,000	*9	f-7, Queen-street-pl. 2, Gt. Winchester St.
Waratah	9/8 9/4 36 136 19/6 13/6	8/6 9/6 56 36 po	10/ 10/ 1 0 1 0	=	0 10 0 1 0 0 0 15 0	120,000	W. Austra	54, Old Broad-st. E.O.		29/6 2 11/16 X 0 336 336 X	2/3 2/9 176 2 2/6 2% 1 356 376 1 316 316	10/	3/- Dec, 16 '9:	1 0	0 200,000 0 148,000 0 107,011	"	6-7, Queen-street-pi.
W. of Nations		374 9 % % 8/6 9/6 76 % 36 9/6 17 1/6 17 1/6 17 1/6 174 176 374 376	1 0 1 0 1 0	-	1 00	150,000	W. Zealan	4-6. Throgmort, Av. 3-5, Queen-street, 33, Old Broad st., EO	Mind Reets	17. 37. xe	316 316	1 4/		0 S 1 0 0 19 0 R	0 12,985 0 200,000 0 184,295		4a, Jeffrey's s : E.O 15, Copthall Avenue. 6-7, Queen-street-pl.
-	1	1	1			,	1 "	1	1		1	1	1	1			

### REPORTS FROM THE MINES.

WEST KITTY (St. Agnes),—December 19: We have started a rise in back of the 94 fathom level to communicate with the 34 fathom level. In driving west at the 34 fathom level the lode is worth 37 per fathom. The rise in back of this level is worth 29 per fathom. The 27 fathom level driving west is worth 28 per fathom. South of side. We have supended the 69 fathom level cast until the 60 west is holed to Thomas's shaft. The rise in back of this level is worth 28 per fathom. We hope to hele this rise with the 50 cast this worth. The 59 fathom level driving west is worth 210 per fathom. We let the men on Seturday last 2 fathoms to drive west to get opposite Thomas's shaft. We expect to communicate with Thomas's shaft in a lew weeks. The 50 fathom level driving cast is worth 25 per fathom. When this end is holed with thereise mentioned above it will give better ventication to this part of the mine. The shaftenen at Thomas's shaft are making good progress in fixing the pitwork. There is no particular change in the stopes or tabute pitches since we reported last.—(Signed) Joel Hooper, John Williams.

BAYLEY'S REWARD NO. 1 SOUTH.—The manager writes, Goolgardie, October 18: During the fortnight we have had great difficulty in procuring the necessary fresh water for the battery engine, frequent atoppages taking place from that cause, the price being now raised to 6d, per gallon makes it expensive and can only be obtained with difficulty at that price.

CARDIFF CASTLE GOLD.—The following are extracts taken from the mine manager's mailed report, received here up to the 9th inst..—Cardiff Castle extended block.—September 18. Water shaft. This has reached a depth of 90 feet, the water supply being 4800 gallons per 23 hours, which is increasing with depth. Driving has been suspended pending arrival of pump.—Cotober 24. Mill site No. 1 tunnel. In my report on October 14 I stated that as we had not cut the lode I shought it bad been thrown perpendicularly. We have now cut into the lode 6 feet and find it dipping in a north-west direction I foot per fathom, the average samples giving 2 ounces per ton; the tunnel has spaparently cut the lode at the p-int where the change of dip or underlay takes place, and until the tunnel is driven forther shead, and the lode proved in width, and by rising and sinking on it, a reliable estimate could be made, but from present indications I am very sanguine it will prove a very valuable property. October 28, No. 1 tunnel. This has been driven 153 feet; the lode composed of quartz and ionatone, and underlaying to the south-west has been cut, and appears to be widening, it being 6 feet in the root and 3 feet in the floor of the tunnel. From careful survey I estimate average value of orce to 2 ounces gold to ton. Oable. On November 1 the following cablegram was received;—Have cut vein number 17 feet, average value of samples 12 ounces per ton, presents a favourable appearance.—Castle. October 28, No. 1 shaft. This has been holed through into tunnel, the lower part is in country rock, a slip has apparently taken place, which has carried the upper part of the mountain several feet towards t

seed many control in the pick of the pick

In shallower levels have guaranteed this new work, and the matter of explorin more mineral above this point, as well as to be somewhat further advanced with in the shaft, is a subject of importance. The stopes generally show no important changes, other than the mill results show poorer material.—La Salada. The No. 3 crosscut is now 16 feet from the shaft, there are still ine signs of miascial. There is no necessity for comment on this subject as I bone you have thoroughly understood remarks in previous letters, and which I still maintais. No. 2 level east of crosscut is now in a very pyritous interest and appears rich, and about 2½ feet thick. This is on the main lode; the same level on the flat lode is minieral about 4 feet thick, but does not contain as much pyrites as formerly, which feature does not deteriorate the lode in general. In south end of the drive the lode is thicker, appearally good milling ore, the result of milling it is fair; the rise above this level is about 6 to 7 feet thick, and contains mostly throughout good ore. In other sections there is no change to call for special attention, and generally the mine looks quite as well as has been reported for several months past. The intersection of the main lode and the flat lode in No. 3 crosscut is a matter which is now of special attention and may be expected any time soon, as the flat lode has been the richest of the two is Nos. 1 and 2 levely, especially in the latter, and although separate from the main lode, they must be worked independent from one another for safety, being in such close proximity.—Ordobe, There is nothing whatever new to report in No, 8 levels. The explorations mentioned in my lest fortnightly letter are now commenced in arriest, and ore whil shortly be extracted and treated in the old mill, the repairs to which are now completed.—Tigrito. The exploratory work mentioned in arriest, and ore whil shortly be extracted and treated in the old mill, the repairs to which are now completed.—Tigrito. The exploratory work mentioned in

at 60s. £2565, water rent and licenses £250, total £7381 ls, 2d.—
N.B.—The revenue from water-rent and licenses warying very much in each
month, the average of the annual receipts under this heading has been adopted
in his report.—Working costs per ton. Mining and tramming on 7634 tons 72s,
reduction on 2634 tons 4s. 4d, an anintenance on 2634 tons 1s. 5'dd., general charges
on 7634 tons, equal to 31s. 3'\*4d., mine development redemption on 2634 tons
8s, 4d., oyanide works on 3551 bons 3s. 7'dd., total 41s. 4'dd.—Total expenditure,
Working expenses £5711 10s. 4d, on capital account for development, permanent works £2532 12s. 4d., menhinery and plant, buildings, 4c. (new works)
£2559 15s., equal to £ 0,504 3s. 5t., lens amount redesmed from mine development on 834 tons milled at 5s, 6d. £372 5s., total £2731 17s. 6d.
WORCESTER.—Approximate profit for October: Expenditure including
depreciation and redemption £447 12s. 9d. Revenue £7152 8s. 1d. Profit
£2704 10s. 2d.—Result of crushing. 20 old stamps 27 days, five new stumps
£244 days, 25 stamps 27 days. 1155 bons Main rest, 1257 tons South rest, total
£244 tons. Yield of gold 1547 ounces 5 dwts, cencentrates 275 ounces, 15dal
1922 cances 5 dwts. Owing to the new-arrival of the new mill engine for the
joint battery of this company and the Ferreira only five sew stamps of the
Worcester and 20 of the Ferreira have been running intermittently during the
month. It is, however, expected that the full battery will run from Decem
ber 1.

### LATEST FROM THE MINES.

#### CABLEGRAMS AND TELEGRAMS.

FRICAN GOLD RECOVERY.-This company announce that 57,800 ounces of gold have been recovered at the Rand, and 8000 ounces in other districts; total 65,500

Alaska med 8000 ounces in other districts; total 65,500 during November by means of their MacArthur-Forrest cyanide process. The Oxtober total was 61,500 ounces.

Alaska Mexican.—Cablegram from Alaska reports the clean-up for the menth of November as follows:—"Period since last return, 30 days; bullion shipment, \$19,945; ore milled, 6898 tons; sulphurets treated, 128 tons; of bullion there came from sulphurets, \$6317; working expenses for period, \$11,911."

ANCHOR TIN.—The following has been received by cable from the local secretary:—"Wesley on the mine. Wants at once first 50 head battery without steam appliances; intends using water power. There is ample water and fall for power purposes."—Official note: The first 50 head of stamps being supplied by the Sandycroft Foundry Company are in a forward state. state

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BONNIE DUNDEE.—The directors have received the following cablegram from Charters Towers:—"Have crushed during the month 457 tons of quartz from Victory reef for a yield of 650 cunces of gold. The approximate value of this return is £2250."

BROKEN HILL PROPRIETARY—Report for the week

BROKEN HILL PROPRIETARY .- Report for the week ending December 19:—"5982 tons of ore treated, yielded 440 tons of lead, containing 135,943 ounces silver, also 1153 tons treated by amalgamating and leaching plants produced 13,881 ounces silver. The price of the shares in Melbourne is £2 14s.

BROKEN HILL PROPRIETARY.-The following cable has been received from Melbourne:—"Dividend of 1s. per share declared, payable on January 15, the books for which will be made up on the 4th of that month."

CARLYLE.—The North Queensland Mines Agency (Limited)

eport by cable that the battery is in course of erection, and is

rapidly approaching completion.

CASSIDY HILL GOLD.—The mine manager cables:—

"Have struck the Main reef at a depth of 130 feet in No. 2 shaft; gold visible to the eye."

CONSOLIDATED MURCHISON.—Cable from the mine:—

CONSOLIDATED MURCHISON.—Cable from the mine:—
"Crushed 468 tons. Obtained 247 ounces of gold."
DARIEN.—The directors have received a cablegram from
their manager at the mines stating that the crushings for
November were 700 tons, producing 254 ounces of gold.

DAY DAWN BLOCK AND WYNDHAM.—The directors
have received the following cablegram from the general
manager at Charters Towers, giving the result of the crushing
for the fortnight end December 14:—"Tons crushed, 974;
vield of gold. 976 ouncest approximate asking 63250. [cr.] yield of gold, 976 ounces; approximate value, £3350; fort-night's expenses, £1750."

nights expenses, £1700."

ECLIPSE.—The following cable has been received from the company's agents at Coolgardie, under date December 16:—

"The prospects are undoubtedly good. Have commenced mais shaft. Erecting buildings, when we shall push ahead with

FRONTINO AND BOLIVIA.—The directors have received advices giving the result for the month of October—viz.:— Value of gold and sulphurets, £7785 10s. 7d. Cost at the miss, Medellin and London, £6407 6s. 2d. Estimated profit, £1378 4s. 5d.

GOLDEN FEATHER.—The following cablegram has been GOLDEN FEATHER.—The following cablegram has been received from the company's secretary, who is now at the mine:—
"Total clean up amounts to about \$3200. Removing plant going on all O.K." Extract from letter from general manager, dated November 11:—"This piece of river is about the worst I have yet seen in the claim, piled with rock, the bed itself cramped into a narrow gorge, and this gorge filed with massive river boulders; in addition to which drawbacks, it had been worked, though, from the fact that remains of picks, shovels, cravicing tools, &c., were found lying along-tile of the old sluis, it is evident that our predecessors were driven from the claim in a hurry."

a hurry."

GOLD FIELDS OF QUEENSLAND.—The North Queensland, Mines Agency (Limited) report by cable as follows:—

"Company have opened up a fine body of ore; ore now being
crushed sssays 5 ounces to the ton."

GREAT BOULDER MAIN REEF.—Mr. Seymour (of the

GREAT BOULDER MAIN REEF.—Mr. Seymour (of the firm of Messrs. Bainbridge, Seymour, and Co.) being about to leave the colony, has been requested by the directors of this company to make a full report upon the company's property and its latest developments, and the following cable has been received from Mr. Seymour this morning:—Perth, December 16. Report:—"There are three shafts upon the property—30 feet, 70 feet, and 73 feet deep. The two latter are connected by a crosscut. Have cut a reef in crosscut, carrying a large quantity of visible gold. The lode runs 38° west of north. The lode inclines at angle of 10° to the perpendicular, and is the same in every respect as Boulder. It varies in width from 4 to 8 feet. Assays of "dump heap" 8 ounces.—North workings. Average assay of ore is 6 ounces.—South workings.—Average assay of ore is 6 ounces. South workings.—Average assay of ore is 1 ounce 12 dwts. 10 dwts. per ton on the foot-8 ounces.—No. assay of ore is 1 ounce 12 dwts. 10 dwts. per ton on the footwall."—(Signed) Seymour.

GREAT REEF. — December 18, cable:—" Development

promises well; have ordered machinery to be delivered as

as possible."
HETTY GOLD,—Cable advices state that the results of trial pannings from the outcrop having proved satisfactory, active mining work has been commenced. Two shafts are being unk, and rapid progress is anticipated.

ISLE OF MAN.—The secretary has sold 100 tons of this

ompany's ore at £9 3s. per ton.

KABOONGA.—A cablegram has been received from the manager at the mine stating that the rise in south-west drive

KLERKSDORP PROPRIETARY.—The London secretary regarded the following cable from Johannesburg:—"Solidhas received the following cable from Johannesburg:—"Solid-tor's certificate received. The transfer of the property has been formally completed; all the property is now registered in the name of Klerksdorp Proprietary Mines (Limited)."—Frass, chief secretary.

MOSMAN.—The following cablegram from Charters Towers MUSMAN.—The following cablegram from Charters Towers is to band:—"Have crushed from the company's mines as follows:—North Australian, 248 tons for 249 ounces gold; Wyndham, 72 tons for 59 ounces gold; Peabody, 97 tons for 71 onness gold; total, 417 tons for 579 ounces gold." The approximate value of this return is £2350. The secretary adds:—"The cablegram of November 19, announcing the striking of a reef in the North Australian Mine, 2 feet thick, of capacitations from the above and the charge an 5 ounce stone, judging from the above return, evidently referred the Peabody Mine."
MURCHISON NEW CHUM.—The following cable has been

MURCHISON NEW CHUM.—The following cable has been excived from Parth:—"Clean-up 350 tons, 1200 ounces."

NEW ELKHORN.—"Bullion produced from the Ekhorn Mine for the week ending Docember 14, 9000 ounces."

NEW CLEWER.—Results for November: "From mill, crushed 1940 tons, yielding 855 ounces of gold. From cyanide works, treated 453 tons, yielding 392 ounces of gold, total yield 1247 ounces of gold. Total value of month's output £3795.

OURO PRETO.—This company has received a cablegram, giving the November returns as follows:—"Passagem Mine, 4186 tons produced 1605 ounces. Raposos Mine, 360 tons produced 54 ounces."

ROYAL SOVEREIGN. - The manager reports good gold No. 2 shaft. The mine is getting richer as depth is attained.

ROBINSON SOUTH AFRICAN BANKING.—The London agents of the Randfontsin Estates Gold Mining Company (Limited) have received cable information from the director e company in Johannesburg that the reef has been struck on Mynpacht 204, Waterval, assaying 11 ounces 10 dwts. per

ton.

SAN MIGUEL.—The directors have received the following cable advice from their representative at Iquique:—"Reached 65 metre level; progress satisfactory."

SHERLAW'S GÖLD.—December 18, cable:—"Development

opening up splendidly; erection machinery being pushed ahead with all hands.

with all hands."
SILVER KING.—Cable from manager at the mines:—
"First half of December mill worked 12 days; crushed 870 tons
ore; estimated production, 6500 ounces silver."
ST. JOHN DEL REY.—The following telegram has been
specied from Mr. Chalmers:—"Produce 10 days first division
December 12,000 oitavas, equal to 1383 ounces troy; value
24650; yield per ton 6.5 oitavas (0.7492 ounce troy)."
TRANSVAAL COAL TRUST.—The following cablegram
has been received from the head office at Johannesburg as bearing on the company's operations for the month of November:—

ig on the company's operations for the month of November:—
"Output, 32,100 tons; profit, £4600."
VICTORIA ASSOCIATION.—The following cablegram has
been received at the London office:—"270 tons crushed yielded 556 ounces gold. A dividend of 6d. per share has been declared payable January 7 next.

WENTWORTH PROPRIETARY.—The following cablegram

has been received from the mines:—"Five weeks return totals 2725 ounces of gold (approximate value £9880)—namely, 890 tons of ore have been crushed, yielding 1945 ounces, and 11 tons rich crude ore have been shipped containing 780 ounces. Mines are looking well."

we nowing well."

WEMMER.--The London agency has received the following sablegram:-"Dividend of 100 per cent. declared, payable to those registered on December 31. Transfer books will be closed

rom January 1 to 6, inclusive.
YILGARN.—The North Queensland Mines Agency (Limited) report by cable large reserves of ore, which may be reckoned to average more than I ounce to the ton. We are continuing sinking shaft and putting down winding engine. Work has been delayed by strike, but 20 men have now returned to work. Labour in the district is scarce.

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## COMPANY FINANCE.

Reports, Balance Sheets, Dividends, &c., of Mining and other Companies.

THE WASSAU (GOLD COAST) MINING COMPANY. THE WASSAU (GOLD COAST) MINING COMPANY.

A circular to the shareholders states:—"During the month of October last the 10-stamp battery worked 12 days 7 hours, and crushed 296½ tons of ore, producing 311½ ounces standard gold, and giving a yield of 1 ounce 1 dwt. per ton. This realised £1213 17s. Cablegrams have since been received advising the remittance for last month as 320 ounces bullion, and a yield of 1 ounce per ton. The above-mentioned cablegrams were received on December 14, and as no reference was made to the closing of the mines and the desertion of native labour, as appeared in the daily papers of last Saturday, the directors enclude that the expedition to Ashanti has, so far, in no way affected the work at the company's mines. It is, however, possible that there may be a temporary shortness Fanti labour."

PESTARENA UNITED GOLD MINING COMPANY.

PESTARENA UNITED GOLD MINING COMPANY. The first drawing for the redemption of £3000, part of the £12,000 mortgage debentures, will take place at the registered effices of the company, Nos. 6 and 7, Queen-street-place, in the Oty of London, on Monday next, the 23rd inst. at 12 o'clock roon, in the presence of Messrs. Duff, Bridges, and Watts, public notatios. The numbers of the debentures drawn for payment will be advertised in The Times newspaper in the issue of the

EJUDINA GOLD MINES, LIMITED.

EJUDINA GOLD MINES, LIMITED.

The following official intimation has been sent to the shareholders:—"We have received from the West Australian and
General Association (Limited) a report made by Bergrath
Schmeiszer, from which the enclosed extract will be of interest
to the shareholders of this company:—Herr Schmeiszer informs us that there are eight parallel lines of quartz reef,
tweering about seven miles from S.S.E. to W.N.W., which pass through your property. Shatt No. 3 still proves that it passes through the richest shoot of ore, and, with the levels, averages wrough the richest shoot of ore, and, with the levels, averages ver 23 ounces of gold per ton. This report is considered very attifactory by your directors, as it practically confirms the original report on this property. Mr. T. A. Allan, in his original aport, stated:—1. That there are at least five, and probably more, lines of quarts reef. 2. That these are continuous in leight over a distance of a mile and a half." The full report is laid over till next week, owing to the reasons given elsewhere. THE GUELPH (COOLGARDIE) GOLD MINE (LIMITED).

The GUELPH (COOLGARDIE) GOLD MINE (LIMITED). The secretary of this company has informed us that the directors have appointed an experienced mining engineer to manage their property out at 25-Mile, Coolgardie, from whom they have received by cable information of considerable development work upon the mine. After stating that he has made arrangements to employ a larger number of miners to continue the necessary developments, the manager proceeds to state that he is commencing to sink immediately an incline shaft of 100 feet upon the reof in No. 2 working, assays from the outcop being very satisfactory. He states that the reof in block No. 1 shows a well-defined body of quarts, and that the water was the same of the sam thaft is now 25 feet down. He is mailing a full report on the 21st.

- The Ooregum Gold Mining Company of India (Limited) has sold the gold obtained in October for £22,659 5s. 7d.

TRANSVAAL GOLD EXPLORATION AND LAND.

The report of the directors of the Transval Gold Exploration and Land Company (Limited) for the financial year ended September 30 last, to be presented at the ordinary general meeting to be held in London on December 23, states that the return of bullion obtained was 32,362 ounces; the yield from mills and pans being 20,271 ounces, and from cyanide process (including a small lot of alluvial) 12,091 ounces. This is an increase of 7686 ounces over the previous year's return. The value of the bullion is £83,627, as against £69,853 for the preeding 12 months. The serial reneway and tramways connecting That and this waykings. aerial ropeway and tramways connecting Theta and Chi workings with Kameel's mill have effected a large reduction in the cost of transport. The option on the Jubilee Hill property, referredto in last year's report, was exercised, and the amount realised by the sale of shares was £70,000. The Grootfontein Exploration and Land Company (Limited) was formed in June last for the purpose of prospecting and working a portion of Grootfontein farm. The capital of the company is £125,000, of which this farm. The capital of the company is £120,000, or which this company is entitled to 40,000 shares of £1 each, fully-paid, and £12,000 in cash on completion of lease. The 40,000 shares are included in the sale to the Lydenburg Company. Prospecting rights were granted to Mr. S. Neumann for a period of six months for a payment of £5000 (with the option of extending the period for a further six months on the same terms), over months for a payment of £5000 (with the option of extending the period for a further six months on the same terms), over five blocks of the company's property situate on the farms Ponieskrantz and Driekop. The first period will expire on February 2, 1896. The arrangements for carrying into effect the resolution by which the amalgamation of the company with the Lydenburg Mining Estates (Limited) was authorised are being proceeded with, and instructions with powers have been sent to South Africa in order that steps may be taken for the transfer of the procepts in exchange for the stimulated shares sent to South Arrica in order that steps may be taken for the transfer of the property in exchange for the stipulated shares in the Lydenburg Mining Estates (Limited). The directors hope in a few weeks to be in a position to take the necessary steps for the liquidation of the company, when the Lydenburg Mining Estates (Limited) shares and the remaining assets of this company will be distributed. The directors declare an interim dividend of 3s. 6d. per share, and hope to be in a position to pay a further dividend next month. It will be remembered that in the report of the committee which was appointed to consider the amalgamation with the Lydenburg Mining to consider the amalgamation with the Lydenburg Mining Estates, it was stated "the committee also understand that three nominees of the Transvaal Company, elected by the share-holders, will be admitted on the board of the amalgamated company."—The names of Mr. Nicol Brown, Mr. W. M. Farmer, Major-General A. C. Bruce, C.B., and Mr. W. J. Steele (present directors), and the name of Mr. T. A. Sommers Scott (a member of the shareholders' committee), will be submitted to the meeting for service on the Lydenburg Company's board.

FRONTINO AND BOLIVIA. The following is from the directors' report, to be presented at the meeting on the 31st inst.:—The returns from the mines worked by the company during the half-year ending June 30, 1895, have been as follows:—

Produce of Bullion. Average Produce. value of Sulphurets, 1091 tons. 16,185 ozs. .... 19 dwts. .... 16,439 16 grains .... £3672 5s.

The returns from the tributers during the same period have been 1240 ounces of bullion. Compared with the returns of the previous six months, the above table shows a decrease of 4952 tons crushed, a decrease of 3098 ounces of bullion produced, an increase of 1 dwt. 16 grains in the yield per ton, a decrease of or tons of sulphurets, and a decrease of £1106 8s. 5d. in the estimated value of the sulphurets as estimated in the previous six months. The returns of bullion derived from the tributers show an increase of 160 ounces. The profit and less account now submitted shows a profit of £10,537 15s. 5d. for the half-year. The profit on the previous half-year was £17,335 6s. 10d. The profit left undivided on D-cember 31, 1894, was £28,865 17s. 5d.; out of this sum an interim dividend of 1s. per share was paid on March 15 last, and a further dividend of 1s. per share was paid on August 3 last. a further dividend of 1s. per share was paid on August 3 last, which dividends, with £900 put to reserve and £949 17s. 4d. paid for income tax, amounted together to £14,709 1s. 4d., leaving £14,156 6s. 1d. to credit of profit and loss. To this sum has now to be adned £10,537 15s. 5d., the ascertained profit for the half-year, making altogether £24,694 11s. 6d.; out of this sum an interim dividend of 6d. per share was paid on October 16 last, and £150 put to reserve fund, amounting together to £3366 11s. The directors now recommend a dividend of 6d. per £3366 11s. The directors now recommend a dividend of 6d. per share, payable January 10 next, and they propose thereupon to put a further sum of £150 to the reserve fund. After these several payments, a sum of £17,961 9s. 6d. will remain to credit of profit and loss, which sum is chiefly represented by sulphurets credited to revenue, but as yet unrealised, and by cash balances in Colombia, but a portion of this sum has recently been expended in payment for the steam hoist for Salada Mine, the stone breakers and electric lighting apparatus for Salada mill, and the pumping machinery for sinking Salada shaft below the depth of 150 feet. The reserve fund at the date of this report consists of £10,665 6s. 11d. Consols, and the £150 now proposed to be put to reserve will be similarly invested. to be put to reserve will be similarly invested.

THE KOFFYFONTEIN MINES (LIMITED).

A meeting was held yesterday, at Winchester House, to comply with the Act. No business was done, the meeting being adjourned to March 20, 1896.

— The English and Australian Copper Company (Limited)

notify that the half-yearly coupons, due January 1, 1896, on their 6 per cent. debenture bonds, will be paid on and after that date at the London and South-Western Banking Company (Limited), Fenchurch-street. E.C.

- The interim dividend warrants on the preference shares of the Blue Spue and Gabriel's Gully Consolidated have

been posted.

— Gold Estates of Australia (Limited).—The warrants for the dividend of 3s. per share on the fully-paid, and 1s. 6d. per share on the 10s. paid shares of this company, have been

posted.

— The Mysore Gold Mining Company (Limited) has sold the gold obtained during the month of October last, which realised £22,120 13s. 5d.

The HAURAKI GOLD MINING COMPANY (LIMITED) announce a dividend of 1s. per share, tax free, payable January 3.

— The Champion Reef Gold Mining Company of India (LIMITED) has sold the gold produced in October for

£23,968 15s. 1d. The QUBENSLAND INVESTMENT AND LAND MORTGAGE COM-— The QUBENSLAND INVESTMENT AND LAND MORTGAGE COMPANY (LIMITED) notify that the coupons of their Terminable
Debentures due 1st proximo will be payable at the London and
County Bank, 21, Lombard-street, E.C. The Terminable Debentures maturing same time and not previously renewed,
will be paid at the company's office, 21, Leadenhall-street, E.C.

— VAN RIN.—Profit for November: From the mill £1804,
cyanide works £592, total £2396.

— A London transfer of the 2 North Switzments

— A London transfer office of the 3 North Smithfield Gold Mining Company has been opened at 88, Bishopsgate-

street Within.

The NUNDTDROOG COMPANY (LIMITED) has sold the gold obtained during the month of October last, which realised £12,232 19s. 4d.

## SIDE LIGHTS ON THE LAW:

Legal Jottings on Cases in the Courts, and on Questions affecting Mining, Railway, Financial, Industrial, and allied Interests.

BY A BARRISTER.

THE "Monroe doctrine" is the one great point in the law of nations which this week has overridden the interest in all others. The construction put upon it, and the purposes to which it has been prostituted by President Cleveland, has astonished the whole of mankind. The good fortune is that the view propounded by him was so preposterous, and expressed in such extravagant terms, that the great majority have refused to take him seriously. The London Stock Exchange, in one of those bursts of bovish exuberance which overtakes it at this festive season of the year, has given fortunate expression to this view of the question, by treating the matter as a huge joke in a telegram to the President of the New York Stock Exchange. But however the matter is treated, the question has for more But however the matter is treated, the question has for more reasons than one a serious aspect. The President of the United States has placed his country in a position from which they cannot retreat without making themselves a laughing stock, and at the same time in one which is absolutely untenable.

THE Monroe doctrine was laid down in 1823, at the period when the struggle between Spain and her revolted South American colonies was still proceeding. There was then some idea that the allied powers of Europe would interfere in the matter and that represed interference was watched at the time matter, and that proposed interference was watched at the time with great jealousy by both the United States and Great Britain, with great jealousy by both the United States and creat Britain, the two great powers then and now on the American Continent. Great Britain remained neutral, reserving her right to declare the position she should take in the event of the powers taking part with Spain. The United States, however, to use the cant phrase of the hour, thought she would go one step better than her parent country, whose common law she has, and still possesses, and whose institutions and customs her her parent country, whose common law she has, and still possesses, and whose institutions and customs her ancestors took out with them from various parts of the Mother Country. Its chief magistrate, a magified Lord Mayor, whose responsibility to his country and race in his political aspect is transient and ephemeral, enunciated the doctrine which has now been made use of. President Monroe, in his message to Congress, said:—"In the wars of the European powers, in matters relating to themselves, we have never taken any part, nor does it comport with our policy to do so. It is only when our rights are invaded or seriously menaced, that we resent injuries or make preparations for our defence. With the movements in this hemisphere we are of necessity more intimately connected, and by causes which must be obvious to all enlightened and hemisphere we are of necessity more intimately connected, and by causes which must be obvious to all enlightened and impartial observers. The political system of the allied powers is essentially different in this respect from that of America. This difference proceeds from that which exists in their respective Govern-ments. . . . We owe it, therefore, to candour and to the amicable relations existing between the United States and those powers, to declare that we should consider any attempt on their part to extend their system to any portion of this hemisphere as dangerous to our peace and safety."

I HAVE italicised those words which crystallise, as it were, this whole doctrine which has acquired the name of the President who pronounced it. Anything more monstrous than the appli-cation by the present President of that doctrine to the question between Venezuela and this country cannot be conceived. That such a thing is possible, however, will, when realised by the American people, do more than anything else to shake their confidence in a system of Government which enables a Mayor or President, holding short tenure of office, to jeopardise the dignity of their nation in playing for his own hand in party warfare. A reference to a map might have reminded the President that the power who holds the greatest area, on the American Continent, is Great Britain. Reflection should have told him tinent, is Great Britain. Reflection should have told him that that power was established on the Continent of America before the United States came into existence, and that the "peace and safety" of the United States, as daily worked out in their own Courts of law which govern and define the limits of their own constitution, depend upon maxims of the common faw of Great Britain taken out by the early settlers from this country. Had these facts been remembered it is impossible to understand how President Cleveland should understand President Monroe, when speaking of the "political system" of the "allied powers," to refer to this country, when he declared that "any attempt to extend their system to any portion" of the Western hemisphere would endanger the peace and safety of the American people. and safety of the American people.

Bur in order to apply this doctrine to his purpose President Cleveland is inclined to create an idea that it is America's duty to protect the weaker power, because it is on the American continent. It will be amusing to watch the American people playing the part of a national Don Quixote. I would, however, like to remind them that since President Monroe's time circumlike to remind them that since President Monroe's time circumstances have altered, and American ties and responsibilities have grown, and that they are no longer limited to the American continent. It may be convenient for their President at this moment to forget that they, as well as the powers of Europe, have their share of responsibility in Turkey. By treaties entered into between the United States and the Ottoman Porte, their subjects have, since Munroe's time, obtained from the latter the advantages of what is known as the "most favoured mation" clause. The result is that commerce between the States and Turkey has grown up, and subjects of the United States are resident and trading in Turkey under the flag of the United States as Christians having their American home within the Ottoman dominion. Every one who knows anything of Turkey knows that there is no country which has taken more advantage of these concessions and privileges granted by the Turk, or made more use of them to the vary last inch, or who has put upon the concessions a wider or more last inch, or who has put upon the concessions a wider or more liberal interpretation, and has claimed and enforced them as on the cor rights in a more arbitrary manner than has the United Statos through their representatives in Turkey. The Statos, therefore, are no longer free from Eastern responsibilities. If President Cleveland wishes to be a Don Quixote there is opening enough, and to spare in defence of the Christians in Turkey.

I HAVE had, on more than one occasion recently, to call attention to the endeavours of Mr. Justice Vaughan Williams to bring to the minds of auditors their duty. In another case, that of the Kingston Cotton Mill Company, his lordship, in a very careful judgment, this week, has added more information on the subject. The question arose, as usual, on a summons taken out under what is known as the Misfeasance section of the Company's Winding-up Act, 1890. That section, it will be remembered, has been hald to apply to auditors as being officers of the company; and where they are found guilty of any misfeasance they may be called upon to recoup to the company any monies which may have been paid away in consequence of any

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such conduct. It is held that this term misfes misconduct for which an officer might be sued apart from the section, and it consequently follows that if auditors fail to use reasonable skill and care in the certificates which they give they may be called upon to account.

In the case in question the auditors in the annual balance-sheets had stated the value of the stock-in-trade, as well as of the mill and machinery, and it was found by the Judge that the value put upon the mill and stock-in-trade was in exc their true value. After deducting that excess from the real assets it appeared no profits had been made out of which dividends could be paid. The auditors were, therefore, called upon to repay dividends which they had allowed by their certificates to be paid, as it now appears, improperly. The auditors had relied upon certificates given them, as to the value of the stock-in-trade, by the company's manager. These certificates relied upon certificates given them, as to the value of the stock-in-trade, by the company's manager. These certificates turned out to be false. For the auditors it was urged that it was no part of their duty to take stock, and in this the Judge agreed, but he said they could have tested the accuracy of the manager's certificate by a careful examination of the books, which would have made them suspect that statement. Had they done this, and added to the stock-in-trade at the beginning of the year, the purchasee of raw material during the year, and deducted therefrom the sales, they would have seen that the statement of the stock-in-trade at the end of the year was so remarkable as to call for explanaat the end of the year was so remarkable as to call for explana at the end of the year was so remarkable as to can for explana-tion. They had applied no such test, and had called for no such explanation. They had, therefore, neglected their duty, had failed in the exercise of ordinary skill and diligence, and were consequently liable to repay to the company the dividends which had been paid by reason of the statements contained in their balance-sheets, and they were ordered to pay the costs applicable to that part of the case.

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CITY OF LONDON GOLD MINES.—The following are extract om the Coolgardic Miner, Friday, November 8: -" Around the CITY OF LONDON GOLD MINES.—The following are extracts from the Coelgardic Miner, Friday, November 8:—"Around the Twenty-five Mile." "A Coming Eldorado." "By our Mining Reporter." Under this heading this paper gives a description of the properties around this district, made by the Special Mining Expert of the paper, of which the following are extracts:—"The 25 mile group of mines have from time to time attracted a very considerable amount of attention, the reef extending for over 7 miles in a direct line. Bich finds have been made along this magnificent line of reef, which have excited an uncommon degree of admiration and interest. The discovery of the marvellously rich 'Hands Across the Sea' was an event likely to live long in the annals of Coolgardie, and when this was supplemented by discoveries of the London and the Kintore, the future of the place became a veritable surety. Under these circumstances it is bet just coveries of the London and the Kintore, the future of the place became a veritable surety. Under these circumstances it is but just that a fair share of public attention should be drawn to a district likely to prove one of the greatest, if not the greatest, of our many gold-producing regions. Accordingly when I reached the 25 mile, after bestowing a casual glance on the Premier line, and noting with satisfaction the vast strides made in the developments of these mines since my last visit. . . . I passed on to the London group, which comprises a large number of leases spreading north, south, east, and west, and, for that matter, at all the intermediate points of the compast. The London is a mine from which much rich ore has from time to time been extracted, and, judging from the appearance of the stone at present, the mine is likely long to maintain a first-class reputation.

#### WATER TRUST AND PUBLIC CRUSHING COMPANY OF WESTERN AUSTRALIA (LIMITED).

The statutory meeting of the above company was held on Thursday at the offices, Broad-street House, Mr. G. H. Hargraves occupying the chair.—In the course of his speech, the Chairman announced that the company was registered in August last; five days after the directors went to allotment, 80,000 shares being privately subscribed. The objects of the company were to purchase gold mining leases comprising 60 acres at Southern Cross, and a lagoon of fresh water, fed by springs, at Northam, where they would erect a public ornshing mill. Before consenting to act, the directors requested Mesers. Bewick, Morsing, and Co., to report, and to cable their views on the old claim. The written report was more satisfactory than the cabled report, and he would, therefore, read extracts from it:—Mesers. B. wick, Morsing, and Co., write from Coolgardie, on August 20:

"The Golden Pir reporerty comprises four leases of the acres 10 acr "The Golden Pig property comprises four leases of 24 acres, 18 acres, 6 acres, and 12 acres respectively, lying west of the Central Ertended Mine, and about \$\frac{1}{2}\$ of a mile south of the Southern Cross Railway Station. The workings are more or less confined to leases Nos. 230 and 253. On lease No. 230 a shaft has been carried down to a depth of 105 feet. From the dump on the surface six samples were obtained, care being taken that the centre of the dump was penetrated. The average of these six samples was I cunce 2 dwts. 14 grains per ton. Continuing in a south-easterly direction from the main shaft, various holes are passed which prove the continuation of the lode, although there is an absence of outcrop until the south-east boundary is approached, where the outcrop becomes very massive, crowning a low ironstone hill. South-west of this outcrop, at a distance of about 1½ chains, an underlay shaft is down 40 feet on what is probably the hanging-wall of the lode. The lode lying on the footwall is here probably a great width, though any attempt to specify its actual extent would be mere greeswork; it may, however, prove to be 50 or 60 feet. Large bulk samples taken from the fall length of the shaft give an assay of 2 osnoes 7 dwts. Railway Station The workings are more or less confined to lease may, however, prove to be 50 or 50 feet. Large bulk samples taken from the fail length of the shaft give an assay of 2 ounces 7 dwt. 8 grains per ton. It is satisfactory to be able to state that both the value of the ore and the continuity of the lode were proved to be better than was anticipated. The exact assays obtained have been given herein, but it is advisable to draw attention to the fact that the lodes in the district, which have been worked on a large scale, have not yielded more than 10 dwts, of gold per ton. It might at

first appear possible that the ore from the Golden Pig Mine could be treated on the spot. This might be possible were it not for the overwhelming fact that water in sufficient quantities is not obtain-

QUEENSLAND SMELTING.

The directors, in their report for the year ended July 31 last, state that "the earlier part of the year under review embraces the losses made by the fall in silver purchased at higher prices at the beginning of 1894, and only for a portion of the period represented by the accounts did the company reap any benefit by the improved market. The more recent shipments show a satisfactory return. Trade generally throughout the colonies has improved, and capital enabling an increased development of resources is once more flowing towards Australia; although this refers more particularly towards the recent opening up of Western Australia, the colony of Queensland has shown solid proof of its quick return to prosperity. In the Maryborough district, where the Aldershot Works are situated, railway communication has been increased, placing greater facilities the Maryborough district, where the Aldershot Works are situated, railway communication has been increased, placing greater facilities for minersto deal direct with the company's works, of which they will, no doubt, avail themselves, and English capital has already gone to develop the rich mineral wealth of the new fields opened up by the local railways. The managing director, Mr. E. A. Weinberg, visited England this year for the purpose of consulting with the board on the desirability of reconstructing the company on a stronger basis, and he is quite confident that, if sufficient capital were provided, very satisfactory returns might be assured. With the limited amount of share capital placed at the company's command it has been almost impossible to push the business as rapidly as the directors wished; and it is imperative that the heavy debit balance in the revenue account should be expunged. In order to do this, a scheme for the reconstruction of the company is being considered by the directors, and will be laid before you at as early a date as possible.

HENDERSON'S TRANSVAAL ESTATES (LIMITED) The second ordinary general meeting of shareholders in the Henderson's Transvaal Estates (Limited), was held yesterday, at the Cannon-street Hotel.—Mr. Alfred Gaussen, who presided, at the Cannon-street Hotel.—Mr. Alfred Gaussen, who presided, said that the company was interested in 30 properties, 18 f which were in absolute ownership, and the remaining 12 under option. These properties appeared to have been selected with considerable judgment, and to have become increasingly important. The directors were glad to be able to report that they had now arranged for the cancellation of the whole of the debentures (except £100) either by redemption or exchange, so that the £5000 invested for this courity would be available for that the £5000 invested for this security would be available for working capital. The cash balance in hand on March 31, was working capital. The cash balance in hand on March 31, was something like £18,000, which was a highly satisfactory position, remembering that they had started operations practically without working capital.—A vote of thanks to the Chairman terminated the present of the presen nated the proceedings.

ISLAND BLOCK GOLD MINING COMPANY (LIMITED). An ordinary general meeting of the shareholders of this company was held on Wednesday, at Winchester House, Old Broad-street, E.C.—Mr. Jeremiah Lyon occupied the chair, and expressed the regret of the directors that they had to report a loss on the year's operations of £740. Referring to a report by Mr. Gordon, a copy of which had been sent to every shareholder with the report, he remarked that the board had nothing to do with the preparation of that, Mr. Gordon being an inspector engaged by the Government. It would be noticed that he stated that this company had a valuable mining reposety and that onlinen was quite in harmony. a valuable mining property, and that opinion was quite in harmony with the view of the directors. If they could only come across a permanent run of the rich bearing wash they had met with on one or two occasions, their difficulties would be at an end. He concluded by moving the adoption of the report and accounts, and the motion was seconded by Mr. W. B. Crozier, and carried unanimously.

ORITA GOLD MINES (LIMITED).

The annual meeting of the Orita Gold Mines (Limited) was held at the offices, 10 Blomfield Street, London, on Tuesday, December 17, Mr. T. S. G. Kirkpatrick presiding. In moving the adoption of report the Chairman said they had had five serious difficulties to contend with during the year. There had been a revolution which had had the effect of taking away the men whenever they strayed away from the mine. They were sized as addiers by one side or the other. Thus, the They were seized as soldiers by one side or the other. Thus, the of labour was raised. Then there had been a difficulty with a mine. They were seized as soldiers by one side of the other. Inus, the price of labour was raised. Then there had been a difficulty with a certain Spanish gentleman over the water supply. The next drawback was a great drought, and following it came an accident to the flume, the result of very dry weather succeeded by wet. The result of all this was a delay of three months. The present trouble was that the bank was an exceedingly hard gravel, and sometimes it was necessary to play four or five days without getting a fall. They would have to wait till the gravel changed again to soft, as it was when they were paying 20 per cent. five years ago. No doubt, it would suddenly change again. It might be to-morrow, or it might be a very much longer time. In spite of the difficulties and troubles, the mine had held its own. This year the profits amounted to only £150 or £200, but they had only worked practically six or seven months. The directors had worked without fee for a long time. The last news from the mine was rather more encouraging than they had had before. The bulkhead for the branch pipe was now fastened and everything was ready to turn on the water. A cablegram had been received announcing that a start had been made on the soft part at the very poorest part of the mine, and it had yielded £200.—Mr. T. Hewitt seconded the motion, and pointed out that the mine had had a run of ill-luck, but there were one or two points which might be calculated on to give them confidence. The manager had allowed his salary arrears to run up to no less than £3,000, so that it the second of the second of the water had each of the second of the s which might be calculated on to give them confidence. The manager had allowed his salary arrears to run up to no less than £3,000, so that it was evident that he who was on the spot had confidence in the concern.

The report and statement of accounts was adopted, and Mr. J. T. P. Pechey was re-elected a director.-The auditor was re-appointed, and the

HOLCOMB VALLEY COMPANY (LIMITED). The third ordinary general meeting of the Holcomb Valley Co. was held to-day at the Cannon Street Hotel. The Chairman (Mr. was held to day at the Cannon Street Flote. The Chairman (air. A. Meates), in moving the adoption of the report, said the directors did not disguise from themselves that they had been considerably disappointed with the result of the working, but on the other hand it was satisfactory to know that in Coarse Gold Gulch the value of the gravel far exceeded what was previously assigned to it. In this connexion, the directors had taken the advice of eminent mining engineers as to the possibility of obtaining satisfactory results from the system of drifting recommended in the report of Mr. Erichsen, one of the directors, who had recently visited the property, and had received the most emphatic advice as to the desirability of continuing. So strong was their belief in the value of the property that the board had determined again, in the face of much discouragement, to ask the shareholders to increase the capital of the company. The principal shareholders had been consulted on this point and they had agreed to take up at least so per consulted on this point and they had agreed to take up at least 50 per cent. of the proposed new capital. Mr. Madge and Mr. Emden suggested that a committee should be appointed to confer with the directors as to the desirability of issuing further capital. The chairman stated that at the conclusion of the ordinary business he would be quite prepared to welcome the appointment of a committee, because the directors had acting its connect. The general and accounts were subscure advanced. we the appointment of a committee, because the directors had nothing to conceal. The report and accounts were subsequently adopted. A special meeting was afterwards held to consider the question of increasing the capital by £10,000. The proposal to form a committee was then rejected and the directors were authorised to increase the

BRITISH BROKEN HILL PROPRIETARY COMPANY (LIMITED), The fifteenth ordinary general meeting of the shareholders of the British Broken Hill Proprietary Company (Limited), was held on Thursday at Winchester House, Old Broad Street, E.C. Mr. E. Russell Roberts presided, and, in moving the adoption of the report, stated that the directors had only taken credit for £2,000 on account of the increased value of the mine. The results of the working were satisfactory, and now they had about 150,000 tons of sulphide ore which they could get at and bring up to the surface when it was required for use. A telegram received on the 12th inst. stated that there was a manifest improvement in the mine. The new machinery which was being put up would be

completed in about four months. There was an increased demand for shares in the colony, which showed the appreciation entertained with regard to the mine there. It was suggested that out of the profit of 2975 they should pay Mr. Woodhead a sum of £236 on account of his expenses of reorganising the company.—Mr. H. Brandon seconded the motion, which was agreed to.

EMPRESS OF COOLGARDIE GOLD MINE LIMITED. EMPRESS OF COOLGARDIE GOLD MINE LIMITED. Sir Alexander Armstrong, in moving the adoption of the report presented at the first ordinary meeting of this company at Winchester House on Thursday, said that everything was now progressing very satisfactorily, and the only thing necessary to enable them to start crushing was a supply of water. A small quantity had been found, but it was expected that the rains would soon commence, and they would then get a plentiful supply in their dam, which had been enlarged, and would now hold 2,000,000 gallons Latest advices from the mine were very favourable, one of them containing a report that some samples of ore assayed from 13dws. to 08 ozs. to the ton. The average, however, was estimated as S ozs. to the ton. The average, however, was estimated at oz. 5 dwt. per ton. Developments were most encouraging, and the Chairman thought that by the time they next met he would have some satisfactory information to place before the shareholders. The some satisfactory information to place before the shareholders. The had made another call, and so far there remained a margin of  $\pounds_{2,50}$  in hand.—Mr. D. N. Shaw seconded the motion, which was adopted

WHITEHEAD & SULTAN GOLD LIMITED.

The statutory meeting of this Company was held on Wednesday, at the Cannon Street Hotel, E.C., under the presidency of Mr. Robert Smith, J.P.—The Chairman informed the shareholders that the Company was registered on the 22nd August last. A week later the directors went to allotment. The issue was a most successful one, the amount asked for—namely, £120,000 being over-subscribed, the result being that the Company was provided with the working capital named in the prospectus of £60,000. The prospectus provided that the amounts per share should be paid as to 22, 6d. on application, 23, 6d. on allotment, 55, 31st October, 55, 30th November, and 58, 31st December. After the payment of the first 103, per share, the directors considered, looking to the large amount of the working capital, and after payment of the purchase instalment arranged for with the vendors, they had at their credit a sum considered more than ample for their immediate and prospective requirements. They therefore resolved to postpone the last two payments—namely, that of the 30th November to the 31st January 1896, and that of the 31st December to the 31st March 1896. (Applause.) This arrangement had met with the general approval of the shareholders, Some shareholders, however, construed this to mean that a cessation of work at the mines or that some delay in taking over the properties had occurred. He was glad to be able to disabuse the minds of those shareholders who may have thought this to be the case. The main properties were transferred to the Company going to allotment, and since then developments have been rapidly pushed ahead.

THE WESTERN EXPLORERS (LIMITED).

Mr. Cecil Hastings presided at an extraordinary meating the state of the state of the extraordinary meating the state of the state of the extraordinary meating the state of the state of the extraordinary meating the state of the state WHITEHEAD & SULTAN GOLD LIMITED.

THE WESTERN EXPLORERS (LIMITED), THE WESTERN EXPLORERS (LIMITED).

Mr. Cecil Hastings presided at an extraordinary meeting of this company, held at Winchester House on Wednesday, for the purpose of considering the voluntary winding up of the company. The Chairman explained that the scheme was the outcome of suggestions made by certain large shareholders, but it was proposed to greatly modify the scheme sent out to the proprietors. The directors had considered the original proposals, and had come to the conclusion that it was a little too large. It was now suggested that the capital should be £50,000, in 48,000 £1 ordinary shares, and £2,000 £1 deferred shares, the latter to have a moiety of the profits after the ordinary shares had received 15 per cent. Present shareholders were to receive 10,000 fully-paid shares, or one share for each of their present holding, and they would also have the right to subscribe for at par 1,000 deferred shares. would also have the right to subscribe for at par 1,000 deferred shares, or one share for every ten in their present holding. In the first instance, 8,000 ordinary shares would be offered to the present shareholders, and 1,000 deferred shares at par would be offered to those shareholders who took up those 8,000 shares at the rate of one share for every eight subscribed. That would leave £20,000 to be held in reserve. He afterwards moved the requisite resolutions, which were seconded, and NORTH FINGALL REEFS (LIMITED).

The statutory general meeting was held on Tuesday at Winchester House, Old Broad Street, E.C., Colonel R. P. Nisbett presiding. The Chairman stated that although they met the shareholders within four months of the incorporation, they had a record of progress to report. The company was registered on August 17, with a capital of £150,000, of which £50,000 was reserved for working capital. The property consisted of four leases, comprising ninety-six acres, and they were informed that the whole was registered in the name of the company. Their prothat the whole was registered in the name of the company. Their property formed a part of the large estate belonging to the Great Fingall Reefs (Limited). The last report of the manager stated that two shafts had been sunk upon the company's property, the former being down 110 feet and the latter 113 feet. The reef had been struck and was opening out well, for samples taken from it averaged over ten ounces to the ton. Although Herr B. Schmeisser had not been retained to specially examine their property, he had visited the Great Fingall Reef, and had reported favourably upon it.

VICTORIA AND ALTAMIRA (LIMITED). An extraordinary general meeting of shareholders in the Victoria and Altamira (Limited) was held yesterday at Winchester House, for the purpose of submitting for confirmation resolutions voluntarily winding up the company, for reconstruction.—Mr. T. H. Watson, who presided, in moving the confirmation of the resolutions, mentioned that a letter had been received from Mr. Santelli, who had just arrived out in Venezuela, in which he stated that there was no ground for any interest that the difference between the British and Venezuela. anxiety that the difference between the British and Venezuelan Governments would tend to disturb the company's operations. Mr. Santelli had been assured by the governor of the district that he need apprehend no difficulty, whether the mine was under Venezuelan or British administration, and had been given a safe conduct to the mine.—The confirmation of the resolutions was seconded by Mr. Hallett, and carried unanimously.

"THE AFRICAN CRITIC."—The current number of thi excellent paper contains, amongst its other well-known eatures, a Christmas extravaganza, entitled, "Trilby Africania: for, Svengali De Beers, Taffy, The Laird, and Little Barnes." Since the establishment of this paper in London some two or three months ago, it has made for itself an envisible reputation, having already accomplished excellent work by enlightening the public on methods of company mongering and Bucket-shop rags. Mr. Hess, the editor, lays bare these evils in no halfhearted fashion, and whilst admiring the motives which actuate him, one cannot but be astounded at his courage. He writes without fear or favour, and is a veritable terror to evil doera and shady journals (?) But there is a great deal for him yet to accomplish. The Augean stables cannot be cleared out in a day by mere mortal effort, But Mr. Hees is determined to cleaned them, and judging from the success which he has met with so far, a like result will undoubtedly attend his further efforts towards this beneficial object.

IMPERIAL WESTERN AUSTRALIAN CORPORATION (LIMITED).—Six oseph Renals has accepted the chairmanship.

THE offices of the following companies—the East Nigel Gold Mining The offices of the following companies—the East Nigel Gold Minney, Company (Limited), Hannan's "Sir John Forrest" Gold Mines (Limited), the New Chum Gold Mines (Limited), Christmas Ref (Rhodesia) Development Company (Limited), the Bendigo Goldfields (Limited), the Southern New Chum Gold Mines (Limited), the Southern See (Limited), the Mount Greenock Gold Estates (Limited), have been removed to Finsbury House, Blomfield Street, E.C. The Malmani Gold Syndicate (Limited).—On and after December 23, the registered office of the company will be removed to Throgmorton House, 15, Copthall-avenue, London, E.O.

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Mining Mines s Reef oldfields South Estates et, E.C. d after be re-ondon,

THE existence or non-existence of coal in workable and profitable quantities in the neighbourhood of Kettering, Wellingborough, and Heyford, the centres of the piginon industry of Northamptoushire, is, perhaps, the most important question that could exercise the minds of ironmasters in that district, as by its discovery a totally different aspect would be put on the trade. The price of Northamptonshire forge pig No. 3 at furnaces is at the present time about 32s. 6d. per ton, and at such a figure the profit, if there be any, can only be but a fractional one.

If coal could be proved, and the cost of working were not greater than that obtaining in the coal fields from which the furnaces are now fed, the cost of production of pig iron would be reduced by the railway rate on imported coal, less, of course, the cost of local distribution, which would, however, not be a very heavy item. On the assumption that 2 tons of fuel are required for 1 ton of pig iron, the decrease of cost would amount to something like 5s. per ton.

This must, however, be regarded as a very rough estimate, as in the absence of definite details and figures it is impossible to speak with certainty.

in the absence of definite details and figures it is impossible to speak with certainty.

As a general rule, it may be stated that in no part of England is ironstone of good quality found in conjunction with coal. Either the ironstone has to be imported into the coal district, or the coal conveyed to the locality in which ironstone is worked. A few instances exemplifying this may be given. In the case of Yorkshire, either coal has to be brought from Durham into Geveland to smelt the mid-Lias ironstone, or, on the other hand, iron ore must be taken to such towns as Bradford, Leeds, Sheffield, and Wakefield, where coal is found.

ion ore must be taken to such towns as Bradford, Leeds, Sheffield, and Wakefield, where coal is found.

To this rule, as to most others, there are exceptions, the most important of which are to be found in the cases of North and South Staffordshire and the Forest of Dean. In the former case all the iron ore is obtained from mines worked under the provisions of the Coal Mines Regulation Act, and the cost of "getting" is so heavy that the average price at the pit's mouth is about 6s. 2d. per ton.

In the Forest of Dean the price at the mines is even higher, panely 9s, per ton being the average realised.

marly 9s. per ton being the average realised.

From this it will be seen that even where coal and iron ore are co-existent the cost of obtaining the latter is so heavy that pig iron cannot be preduced any cheaper in these localities than in those districts to which one of the materials must be imported.

imported.

In Northamptonshire iron ore of good quality can be delivered at the furnace door for about 2s. to 2s. 6d. per ton, giving an advantage, if this factor alone is regarded, of about 4s. over Staffordshire. All this apparent gain is, however, immediately swept away by the increased cost of fuel, practically represented by the railway rate from the nearest coal field to the Northamptonskire furnaces.

by the railway rate from the nearest coal field to the Northamptonhire furnaces.

The proving of workable quantities of coal in Northamptonhire would enable the ironmasters to supply pig iron very conderably cheaper than those of other districts. This advantage
would not be a temporary, but a permanent one, far better than
my obtainable from artificial prices created by "rings" and
"corners." Further, it is an advantage which would only be
hard by Lincolnshire owners—for if coal be found in the one
place it will also, in all probability, be discovered in the other.

We have now to modify the rule which we have stated prenously, and put it in this form. Coal is seldom found in
empinction with iron ore in England, and in cases where it is
no found the cost of mining the iron ore is so heavy that any
strantage which appears at first sight, caused by the absence of
nilway dues, is entirely swept away.

Supposing the existence of coal, Northamptonshire and Lincolnshire would enjoy an absolutely unique position.

We have thought it necessary thus to trace out the advantages, which, on the proving of coal, would accrue to the district
in order to stimulate any proposal or suggestion there may be
brexperimental boring. The benefits to be gained are almost instimable, and all classes of the community would share in them.

So much for the economic prospect. We will now consider the
gological considerations affecting the subject.

II.—Geological Evidence.

II.-Geological Evidence.

II.—Geological Evidence.

The strata which form the surface geology of Northamptonhire consist of the Oolitic and Liassic series, comprising, under
the former division, the sandy ferruginous formation locally
termed the Northampton Sands, from which very large quantities of brown iron ore are obtained in many parts of the county.
Limestone largely used in furnace operations is also strongly in
eridence. These formations are of Secondary or Mesozoic age,
and from them no evidence is obtainable as to the much more
uncient (Paleozoic) rocks to which the coal measures belong.
From the nearest coal field—that of Ashby-de-la-Zouch—nothing can be gleaned as to these lower rocks in the district
under consideration, on account of the distance (45 miles from
the town of Northampton).

The only direct and the only reliable evidence is that of trial
lorings.

The only direct and the only brings.

Three borings have been made in the locality.

(1) Northampton.—Lower Carboniferous rocks occur at 525 leet below the sea level.

(2) Gayton (5 miles S.W. of Northampton).—Similar rocks we found 400 feet below sea level.

(3) Orton (12 miles N.E. of Northampton).—The oldest rocks of Britain—namely, pre-Cambrian, were discovered at 341 feet below datum.

blow datum.
These borings are all near the chief furnace localities. They show that there is no coul at Northampton, Gayton, or Orton, without piercing the coal measures, Lower Carboniferous locks were found. These rocks are of older origin than the coal-bearing ones. We have not thought it necessary in this statch to give the exact details of the strata passed through. From this evidence it would appear that the chances of fading coal are very slight. The most favourable locality is, coubtless, the south-east of the county—that is to say, somewhere in the neighbourhood of Higham, Ferrers, or Thrapston, let it is simply in view of the data we have quoted that it is large favourable than others, as there is no absolute testimony favourable than others, as there is no absolute testimony there. With regard to the possibility of coal being co-existent with ironstone, clearly this cannot happen at either Heyford or a lettering, as the evidence afforded by the Gayton boring in the one case, and by that of Orton in the other, disproves the

Possibly Wellingborough may be more fortunate, but there no positive, but simply a lack of, negative testimony. We may coal does not exist at Orton or at Gayton; therefore, in probability, not at Kettering or Heyford; but ne borings

ON THE POSSIBLE OCCURRENCE OF COAL IN THE NORTHAMPTONSHIRE BLAST FURNACE DISTRICT.

A POPULAR ENQUIRY INTO THE QUESTION.

I.—The Economic Aspect of the Case.

(BY A CORRESPONDENT.)

THE existence or non-existence of coal in workable and profitable quantities in the neighbourhood of Kettering, Wellingborough, and Heyford, the centres of the pignon industry of Northamptoushire, is, perhaps, the most important question is by a series of trial borings, the cost of each of which might be estimated at £2500—the price, of course, varying with the strata encountered and the depth bored. To prove the existence of coal measures, or of Lower Carboniferous rocks, it would probably only be necessary to bore to a depth of 1200 feet. The scientific evidence before us is not such as to inspire us with confidence as to the satisfactory result of the prosecution of the search. But, on the other hand, if coal were discovered, immense benefits would arise, and we think that any money spent in boring would be wisely laid out, although we do not hesitate to impress the fact on our readers that the investment would be a very speculative one.

It is, perhaps, at the present moment difficult to get public attention away from gold mining in South Africa and Westralia, and to direct it to home industries.

#### SHOT-FIRING IN FIERY AND DUSTY MINES.

By; BERGRATH LOHMANN.

THE writer proposes to confine his remark: to a brief examination of the present state of the question embraced by the title of his paper, dwelling in the main on those points which appear to be of the greatest practical importance. He will hold himself excused, therefore, if it is found that he has to recur once and again to certain

if it is found that he has to recur once and again to certain well-known facts.

The Prussian Fire-damp Commission, in the course of the investigations conducted by them in the experimental gallery at Neunkirchen (which were mainly concerned with the behaviour of different varieties of coal-dust in the case of blown-out shots fired with blasting-powder), ascertained beyond a doubt that dry coal-dust was dangerous under such circumstances. They, moreover, took the opportunity of making a few experiments with high explosives, and achieved strikingly successful results. Apart from the fact that these results were traded on by competing manufacturers, they were much overtraded on by competing manufacturers, they were much over-estimated when we consider the inadequacy of the experiments, and then, also, the erroneous conclusion was arrived at that the and then, also, the erroneous conclusion was arrived at that the degree of safety of a high explosive was also a measure of its blasting power, the two being supposed to increase simultaneously. Opinion in Germany was then far on the road to an absolute prohibition of ordinary blasting power and to the unrestricted use of high explosives. At that very time the writer uttered a warning, and not in vain, as to the danger of setting too high an estimate on the behaviour of such explosives in the presence of fire-damp and dry coal-dust. His warning was based on a new series of experiments started at Neunkirchen.

Meanwhile, developments have been proceeding 'satisfactorily. That the particular characteristic which makes a high explosive a safety-explosive, in comparison with others, is first and foremost the low temperature of the explosion gases has been duly recognised by German observers, while the French have placed it firmly on a theoretical basis. Various safety-explosives have been developed within the group of high explosives; they have

recognised by German observers, while the French have placed it firmly on a theoretical basis. Various safety-explosives have been developed within the group of high explosives; they have been introduced into a number of collieries in place of blasting-powder, which is being gradually banished from mines with soft and dusty seams. The use of these new substances has been more a matter of necessity than of choice, but, at any rate, experience has shown that the change has not produced any notable rise in expenditure (take, for example, the Köenig pit) in the matter of shot-firing.

The ideally perfect safety explosive is still to seek; continuous endeavours are being made to that end, and they are fruitful enough to afford hope, but the battle is not won yet. Again the writer would utter a warning not to over estimate the value of safety explosives to such an extent as to force collieries where the use of blasting powder is attended with very little danger to give it up, and when safety explosives are used the writer would urge the unadvisability of minimising the need for the customary safety regulations. These will be directed towards the attainment of three main points:—(1) The removal of whatever is likely to give rise to an explosion, wherefore by means of adequate ventilation fire-damp must be rendered harmless, and similarly coal dust must be made innocuous by watering. (2) If, notwithstanding these precautions, an explosion does take place it must be localised, and this is feasible by forming wet zones, and by splitting the air-currents. By the fulfilment merely of the conditions just enumerated disasters on a large scale will be avoided. (3) Anything that is at all likely to cause ignition of fire-damp and coal-dust must be discarded. Under this order of consideration comes the employment of suitable safety-lamps that are lighted from within, and are provided (when used at working-faces where there is much evolution of fire-damp) with double gauzes. Moreover, shot-firing must be reduced to a minimum at

faces where there is much evolution of fire-damp) with double gauzes. Moreover, shot-firing must be reduced to a minimum at specially dangerous spots, and then only carried on with safety-explosives or safety-cartridges and safety-fuses. The precautions enumerated under the third heading are the only ones that may fail to secure the end in view, and this because, in addition to chance accidents which will happen despite the best safety-lamps and the safest explosives, too much depends on the manner in which various people carry out their instructions, even though special shot-firers be employed.

All this being granted, the writer will say a word of warning as to placing too high the standard of safety for explosives. There is no very great difficulty in manufacturing high-grade safety explosives, whose standard of safety is far higher than that usually attained, and by dint of puffing them in the proper quarters, one may easily succeed in exalting them at the expense of other explosives which have proved satisfactory in every-day mining practice. But the final result of this method of puffery is in most cases as follows:—The much belauded new safety explosive proves impracticable by reason of its inefficiency as a blasting agent, or, that inefficiency being recognised, its composition is secretly changed at the expense, more often than not, of its after. Experiences of this kind are naturally wont to stion is secretly changed at the expense, more often than not, of its safety. Experiences of this kind are naturally wont to prevent the miner from abandoning a comparatively unsafe ex-plosive in favour of a safer one.

plosive in favour of a safer one.

But to solve the problem as to what is the minimum standard of safety which will justify the manufacturer in dubbing any particular explosive a "safety-explosive," we must have recourse in the future as in the past to experiment on a large scale. By that the writer means the actual use of the explosive in fiery and dusty mines. Cases are known in Westphalia of fires in the pit caused by safety-explosives. In the early part of this year the writer and Mr. Winkhausinvestigated these cases on the spot, but they are too scattered to justify the deduction of any very definite conclusions from them.

definite conclusions from them.

It is, at all events, a mistake to regard as a decisive measurement of the safety of an explosive the result of any given experiment made in the experimental

gallery. Apart from the fact that, from causes hitherto unassignable, the different galleries appear to be affected differently by similar conditions of ignition, the conditions actually obtaining in the pit can never be reproduced with sufficient exactness, and, therefore, their value for purposes of comparison is purely conditional. It would be a still more grievous mistake to base any practical conclusions on the result of a theoretical calculation of the temperature of the gases produced on explosion, because we have really nothing by which to gauge the influence of accessory circumstances. The temperature of the gases is not the only point demanding consideration; we have, for instance, to take into account the presence of certain other gases or of finely divided solid particles in suspension.

presence of certain other gases or of finely divided sond particles in suspension.

Speaking from this standpoint, the writer concurs most absolutely with Mr. Winkhaus in urging that the determining condition of further progress in the matter of safety explosives is the minutest possible investigation of every case of ignition in a mine brought about by a safety explosive. The materials thus accumulated must be systematically arranged, carefully digested, and published. For the fulfilment of this task much time and labour will be needed, as well as the moral support of the Government mining authorities.

#### METAL CIRCULARS.

Messrs. James Lewis and Son's mid-monthly report on copper, dated Liverpool, December 16, says:—There has been but little variation in the price of good merchantable copper during the past fortnight, the range of the fluctuations being but 7s. 6d. per ton—from £42 13s. 9d. to £43 1s. 3d. for cash, to-day's closing value being £42 17s. 6d, or the same as the opening price. On the one hand the demand for consumption both here and on the Continent continues good, a considerable business has been done for India, and both smelters' and consumers' stocks are exceptionally small; on the other hand American production increases, being 3462 tons (or nearly 25 per cent.) more during November than the monthly average of the first half of the year, and their home consumption has fallen off and is likely to be on a much reduced scale for the next four months, with the result that exports to Europe will be much larger than they have been the past four months. English copper sells at a low price compared with Chili bars, best selected realising only £46 10s. delivered Birmingham, and tough cake £45 15s. 345 tons Australian Wallaroo have been purchased by the Government for Woolwich Arsenal at £49 17s. 61, per ton. Although Lake copper is quoted 10:50 cents, and electrolytic 10 to 10:25 cents per lb. in New York, both qualities offer here at prices considerably below the equivalent of these quotations, the latter at about 50 cents less. about 50 cents less.

Producers' returns are as follows : -Producers' returns are as follows: —

November.

November.

Tons.

American exports for the first half of December are 3550 tons.

American exports for the first half of December are 3550 tons.

Stocks have decreased 170 tons, and the visible supply 193 tons during the past fortnight. Imports to date are 4534 tons less, and deliveries 10,450 tons greater than last year. The arrivals in England and France for the fortnight have been 5013 tons, and the deliveries 5183 tons. The arrivals of Chili in Liverpool and Swansea have been 955 tons, and the deliveries 1127 tons, and from other countries 3172 and 2822 tons fine respectively. The arrivals here and in Swansea from the United States have been 440 tons bars, 4 tons ingots, and 922 tons matte, equal to about 932 tons fine, and in France 240 tons fine. The Chili chatters for the past fortnight are advised as 950 tons, and exchange 17½d.—Sales of furnace material reported are:—December 12, 200-400 tons matte Columbian about 70 per cent, to arrive at Swansea at 8s. 10½d. per unit. Quotations to-day are:—Chili bars and good merchantable copper £42 17s. 6d. for cash, and £43 5s. for three months' prompt. English best selected ingets £46 5s. to £46 10s. and tough cake £45 12s. 6d. to £45 17s. 6d. per ton. Ore of 20 per cent. 8s. 6d. Regulus and matte 3s. 9d. per unit.

Stocks of Copper (tons fine).

Jan. 1. Jan. 1. Aug. 1. Sart 1.

matte 8s. 9d. per unit.							
Stocks of Copper (tons fine).	Jan. 1,		Jan. 1, 1895.		Aug. 1, 1895.	1	Sept. 1,
Chillan in Liverpool and Swansea	30,014		36,937		40,817		40,984
France	1,571	100	430		585	***	655
American in Liverpool and Swansea	4,102	***	4,428		2,157	***	2,008
France	779	***	544		762	100	497
Sundries in Liverpool and Swanses	1,147	000	2,444	000	4,615	***	4,249
London	4,733	019	5,969	200	3,557	000	8,927
France	395		312	***	234	***	2.9
English G.M C. in Liverpool and							
Swansea	4	090	_	+00		199	-
Total	42,715	149	50,764		53,717	***	
	Oct. 1, 1895.		Nov. 1 1895.	1	Dec. 1 1895		Dec. 16, 1895.
Chilian in Liverpool and Swansea	40,602	***	39.671	***	37,346		37,184
France	645		853		525	400	373
American in Liverpool and Swansea	1.739	***	1,138		878	**	878
France	282	108	202		202		222
Sundries in Liverpool and Swansea	3,438	100	2,537		982	000	1,312
London	2,463	100	2,498	100	2,:64	400	2.001
France	224	100	4.9		4.4	100	239
English G.M.C. in Liverpool and	-	0.00				100	-
Swanzea	_		_	+++	-	***	-
Total	49,393	000	46,583	***	42,481		42,311
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from January 1 to date:-						
	1'93.		1894		1995.	
Chili into Liverpool and Swansea America ditto ditto		***	25,4.5	+00		
Sundries into Liverpool and South Wales Ditto into London		***	25,932 11,569	100	31,180 13,159	
	85 872	***	80,692	***	76,807	
Chill into France	3,473	+00	3,561 5,795	***	3,9 4 5,887	
Mexico ditto	7,520 2,863	+00	8,293 1,401	100	4,520 2,135	
	25,014	***	17,185	***	16 506	
	110,886		97,847	000	93,313 tou	s fine.
Deliveries ditto	112,461	***	91,316	+00	101,766 tons	fice.

Messrs. Harrington and Co.'scopper report, dated Liverpool, December 17, has the following:—Chili Charters for the past fortuight are cabled as 950 tons, making the total since December 31 last 21,250 tons, against 20,350 tons same time last year. Exchange 174d. Since our last the market for G.M.B.'s has been quiet but last 21,250 tons, against 20,350 tons same time tast year. Exchange 174d. Since our last the market for G.M.B.'s has been quiet but steady, about 8200 tons sold at prices ranging from £43 cash and £43 cas. 3d. three months, down to £42 13s. 9d. and £43 2s. 6d. respectively. To-day the tone was firmer owing to some speculative enquiry, and prices advanced to £43 5s. cash, and £43 12s. 6d. three months, closing firm with buyers at 1s. 3d. under these rates. The price of Lake copper declined from 10.75 to 10.50 cents, per lb. at which it closes, after being slightly firmer at a partial 12½ points advance, Though this is the official quotation it is rumoured this copper is being offered here at 25 cents per lb. lower. The following "A paper read at the recent meeting of the Federated Institution of Mining Engineers.

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Misce Setman thester I Alkali, 1 Mond, 2 West Inc. LATER therwise about landated months of the set of the set

Chili bars..... Regulus or matte.

are the returns of the Copper Producers' Committee:—European production: November, 7728 tons; five months July 1, 36,545 tons; maximum allowed under old agreement, 35,425 tons.—American production: November, 15,230 tons; five months since July 1, 71,310 tons; maximum allowed under old agreement, 52,175 tons.—American from pyrites. November, 1100 tons; five months since July 1, 5500 tons; maximum allowed under old agreement, 6045 tons.—Total. November, 24,058 tons; five months since July 1, 113,355 tons: maximum allowed under old agreement, 93,645 tons.—American exports. 4874 tons; five months since July 1, 23,281 tons; maximum allowed under old agreement, 25,000 tons. The total stocks in Liverpool, Swansen, London, and Havre are 42,311 tons, against 42,481 tons on the 1st inst., showing a decrease of 170 tons for the fortnight. The stocks include about 500 tons of copper sold, but not yet delivered to smelters. The visible supply for tons, against 42.481 tons on the 1st inst., showing a decrease of 170 tons for the fortnight. The stocks include about 500 tons of copper sold, but not yet delivered to smelters. The visible supply for the fortnightis 45.426 tons, against 45.619 tons on the 1st inst., showing a decrease of 193 tors. Refined and manufactured sorts are steady. Official quotations being:—Tough cake £16 to £46 5s., best select £46 10s. to £46 15s., Indian sheets £51, strong sheet: £53, and yellow metal sheets 47-16d. per lb. Sales of furnace material comprise 200-400 tons Columbia matte, sold to Swansea, at 8s. 104d. per unit. Import of Chill copper during the past fortnight 195 tons fine, against 688 tons fine same time last year. Delivery of Chill copper during the past fortnight 3172 tons fine, against 1707 tons fine same time last year. Delivery of other copper during the past fortnight 3172 tons fine, against 1707 tons fine same time last year. The total imports of Chill and other copper into Liverpool and Swansea since January 1 bave been 63,751 tons; deliveries during the same period 68,730 tons fine; for same time last year the figures were 69,123 and 61,567 respectively. Quotations are : -

Chill bars	£40 17s. £41 5s. 7s. 3d.	ber 18, 189 6d. cash 0d. 3 mon to 7s, 9d. 0 8s, 3d.	and }		E43 5s E43 15s Ss.	. 0d. e . 3d. 3 to 8a.	18, 1893 nah and month 3d. 9s. 0d.
Precipitate		to 81, 64,		080			9s. 0d.
Stocks of copper in we estimate at :-	first an	d second	l band	ds, like	ly to	be a	vailab
At Liverpool	Ores, 10	Regulu		Bars. 36,543 349		290	
Tons.	10	-		38,891		290	Price o
Representing about 37,184	fine copy	per again				1895,	£12 18
against ., 37,023	22	9.9	Dec	ember 1			
.; 29,848		99			1893		
31,218	93	81		** 17	. 1892	*** **	46 17
			Tons	fine.	Tor	18.	
Stock of other copper co foreign ore, and Spanis	ntained h precij	in matte	219	0 again	18t 579	6 Dec	19, 18
Block of Chill bars, ingo Havre, including Roughtock of copper other the	en and I	barilla i	. 44		45		**

and Dunkirk.....ek of Chili copper affoat and chartered for

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475

Messrs, Henry Bath and Son's copper report, dated December 17 states:—The Chili charters for the past fortnight are advised as 950 tons. The latest exchange is 17½1. At the commencement of this fortnight, the market, though quiet, was firm, and the price improved 2\*, 6d, per ton, going to £43 cash and £43 8\*, 9d, for three months prompt. A slight increase in the selling and lower prices from the United States caused a decline to £42 13\*, 9d, cash on the 11th instant. An improvement then set in, so that at the close of business on the 13th instant prices were £42 17\*, 6d, to £42 18\*, 9d, cash and £43 6\*, 3d to £43 7\*, 6d, three months. Yesterday the market was dull, and only a small business passing at £42 17\*, 6d, and £42 16\*, 3d, to £43 5\*, three months. This morning the market was very firm throughout, closing at best at £43 1\*, 3d, cash, £43 10\*, three months. The shipments for the fortnight are advised as 2915 tons. The shipments for the fortnight are advised as 2915 tons. The arrivals and deliveries at Hamburg, Rotterdam, and Antwerp for the fortnight are about 680 tons. The imports of American copper into England have been 932 tons and into France 240 tons, or 1172 tons against 5013 tons last year. Total actual deliveries are 5183 tons against 5013 tons import. Stocks have decreased 170 tons. Total visible supply shows 45,561 tons against 54,731 tons last fortnight.

England and France.

Imports. D'liv's. Stocks. & Observisible

		-	_	Adams .	4.1
England and France.	Import	. D'liv'r's.	Stocks. &		otal
Chili copper at' Liverpool, B	WATISCA.				Mark.
and in France	965	1,292	. 37,624	2,250 3	9,874
Australian and Jopanese	626	722	1,951	1,000	2,951
and Swansea	93	999			928
Other copper at Liverpool & Sw. English copper at Liverpo	ol and		1,312	-	1,312
Swansea	040				-
American copper in France Other copper in France	10	227		= ::	272
Tons fine copper during t					
night	5,013	5,183	47,311	3,250	15,581
Against tons on December 3, 1 Against tons in November 19,	895 4,16 1895 2,82	4,656 . 6,849 .	42,481	2,250 3,900	45,731 46,669
	1894.	1893.	1892.	1891.	1890.
Total visible supply, December			53,994	58,469	88,593
Total visible supply, December Price of Chili bars same £53 17s, 6d., £49 5s., £77 12s, 6d	date;-£40	15s., £43	98,940	43,565	1886, 82,956 £45,
	Tons	Tons	Tons	Tons	Tons
	fine.	fine.	fine.	fine.	fine.
	1895.	1894.	1893.	1892.	1891.
Imports from Chili and Bolivi from January 1 to date	21,054	. 20,477	19,945	19,173	17,983
Imports from America from		24 224	*****		
January 1 to date			52,169		
Imports from Chili and Bolivi		1889,	1888.	1887. 1	836.
from January 1 to date	24,334	. 23,531	*30,591	28,382	34,251
Imports from America from January 1 to date	19,947 .				
The shipments to Europe fr tons, as against 70,405 for corre- from America are estimated at	sponding pe				
Quotations for West Coa		re as foll	OWE		
	e, 18, D		Dec. 19.	Dec.	17
To-day.	1894.	1803.	1892,		01.
Begulus 8/3 to 9/-	8/-	8/4%	9/6		9
Bars £43 1/3 to £43 2/6 i	040 15/- A	43.2/6	E+8 15/	£49	

spitate about 9/ to 9/3 s/754 about 9/9 9/1054 9/454 or other descriptions we quote to-day:—Wallaroo, nominal res. Burra, nominal; best selected, about £46 10s, t

£48 15/ £58 5/

£49 10/

E4T 10s.; English tough, about £45 10s. to £46 10s.; English manufactured, about £54; India sheets, about £51. G.M.B. copper £43 1s. 3d. to £43 2s. 6d. cash and £43 10s. to £43 11. 3d. three months. Sulphate of copper about £15 10s. to £43 11. 3d. three months. Sulphate of copper about £15 10s. to £15 15s. cash and forward.—Tin. Closing at £61 15s. cash, £62 7s. 6d. three months. Spelter about £14 10s. English about £15 10s. Blende of 50 per cent, worth about £3 and calamine about £3 2s. 6d. Lead dull, about £11 7s. 6d. to £11 10s., with silver 50 to 80 cunces about £11 10s. Lead ore of 70 per cent, is worth about £5 per ton.—Pig iron. Closing quotations for Scotch pigs are about £6s. 34d.; Middlesbro', 37s. 5d.; hematite 47s. 3d. cash. Antimony quiet. Star regulus about £31. Ore £8 for 50 per cent. good quality and produce. Crude about £14 per ton.—Quicksilver. The official price is £7 7s. 6d, Seconds 2s. 6d. to 3s. 6d. less.—Bar silver. 30 3 16d. per cunce standard.—Discount. The bank rate remains at 2 per cent. per ounce standard. - Discount, The bank rate remains at 2 per cent

#### MINING AND MECHANICAL ENGINEERS.

Meeting of the North of England Institute

A GENERAL meeting of the members of the North of England Institute of Mining and Mechanical Engineers was held on Saturday afternoon, in the Wood Memorial Hall, Newcastle, Mr. DOUGLAS, President, in the chair.—Mr. John Jameson submitted a paper on "The Recovery of By-products in the Manufacture of Hard Coke in the Jameson Coke Oven." Although the patents had now leaved be believed that the Jameson submitted a paper on "The Recovery of By-products in the Manufacture of Hard Coke in the Jameson Coke Oven." Although the patents had now lapsed, he believed that the method of recovery of by-products in open ovens, unless displaced by some method more effectual, would in course of time come into extensive use. He narrated the history of the process, and gave the results of the experiment made at Felling, in the way of obtaining a supply of ammonia by suction during the process of coke-making. The quantity of coke produced was found to be in no way diminished, and the percentage of residual sulphur was received. Sir Lowthian Bell made experiments on the quality of the coke, to see if any injury had been done to it for metallurgic purposes by the abstraction of the products, and he found that it was in every respect fully equal to coke made in the ordinary way without the recovery of products.—A paper, by Bergassessor Winkhaus, was read, on "Safety Explosives." The writer said that the experiments conducted by the Prussian Fire Damp Commission at Neunkirchen led to this result: That high explosives, such as nitro-glycerine, gun cotton, and blasting gelatine, if a sufficiently strong detonator be used, would detonate perfectly without igniting either coal dust or pit gas. This was deemed an all-sufficient ground for the assertion that one might proceed unhesitatingly to fire shots, provided that a preliminary examination with a safety lamp showed that not more than 3 or 4 per cent. of pit gas was present in the surrounding atmosphere. If the percentage was higher, ignition by electricity was recommended. Later experiments made by Mr. Lohmann showed that the harmlessness of gelatine-dynamite and its associates was by no means so well assured as the first series of experiments of the Prussian Fire-Damp Commission Mr. Lohmann showed that the harmlessness of gelatine-dynamite and its associates was by no means so well assured as the first series of experiments of the Prussian Fire-Damp Commission had led one to believe. Mr. Lohmann arrived at the conclusion that "the use of high explosives in the presence of fire-damp, and particularly at working faces where there is dry coal-dust, is, in all probability, infinitely more dangerous than one has hitherto been inclined to admit, and further, that the prohibition merely of ordinary blasting-nowlers and its congeners, with nimerso sees uncomed to admit, and further, that the prohibi-tion merely of ordinary blasting-powder and its congeners, with a view to the avoidance of fire-damp and coal-dust explosions, would be of so little effect as to be hardly worth mentioning." The writer proceeded to discuss the reason for the diverse results, The writer proceeded to discuss the reason for the diverse results, and said it was only when Mr. Lohmann proceeded to make trials with large quantities of explosive that the ignition of pure coaldust atmospheres regularly took place with the so-called high explosives, and it was through Mr. Lohmann's investigations, first of all, that the formerly universally accredited opinion as to the parallel ratio of increase of blasting-power and of safety (in regard to fire-damp and coal-dust) of such explosives was rudely dispalled. Moreover, his experiments stimulated inventors to work for the improvement of explosives in the direction of rudely dispatied. Moreover, his experiments stimulated inventors to work for the improvement of explosives in the direction of safety, and it is from that time that we may date the first appearance of the so-called fiameless or safety explosives. The writer devoted the main portion of his paper to a detailed consideration of the subject as it shaped itself in Westphalia, on the basis of the investigations carried out in the experimental gallery of the Westphalian Miners' Provident Society. He proceeded:— The ways and means whereby the manufacturers of explosives sought to render their products less and less dangerous in the sought to render their products less and less dangerous in the presence of fire-damp and coal-dust were all directed to the one end of reducing as much as possible the temperature of the gases evolved on explosion—that is, the so-called temperature of detonation. The writer presented an interesting table setting forth the results of the investigations in Westphalia. The progress achieved justifies the hope that it will be possible to remove one great drawback attached to the safety explosives of the nitrate of ammonium group—namely, that in order to make these explosives detonate, very strong detonators (which of themselves constitute a source of danger) have to be used. Bergrath Lohmann contributed a paper on "Shot-Firing in Fiery and Dusty Mines," which we reproduce elsewhere.

#### FOREIGN MINING MARKETS. COLORADO.

COLORADO SPRINGS, COLO., NOVEMBER 30.

THE Mining Stock Market for the nat week has been remarkably active and it would border upon a farce to dwell up in the prospective permanency or the general brilliant outlook for the future. A 'mast without exception everything has materially advanced. Conflicince in Colorado mining is fully restored throughout line world. All the leading publications both at home and abroad are taking up mining, and the State is flooded with special correspondents, who are writing up Cripple Creek and Colorado's mining industry in general.

neral.
ong those stocks that will shortly score further advances are Colfax, as Charts, Nugget, Sliver State, Anaconda, and Pharmucist. These have a subtenum the affected by the present scramble for mining shares, and on as attention is called to them, and they are aubjected to careful invesas soon as attention is called to them, and they are subjected to careful investigation, it can only result in higher quotations. There are some atooks that are undoubtedly too high, but from present indications this is of little consequence, as people seem determined to have mining stock; and many are buying them without consideration, just because they are mining stocks. There are a few worthless companies being floated on the market at this time, but the stock exchanges and brokers invariably unit in calling attention to them, and the listing committee of the various exchanges refuse to have them salled.

Last week I particularly called attention to Colfax. It has not advanced much as yet, but to my certain knowledge there is a large volume of quiet trading in large blocks going on among well-informed operators. The stock that was allotted when the company was organised and incorporated has been absorbed at present quotations by strong parties, who appreciate the large area that it presents, and who have great faith in the Mineral Hill district. There are few intelligent mining operators who do not agree in believing this is a neglected territory, and that will surprise the world as development is accomplished. Of late there have been many rich discoveries in this immediate locality.

he Colorado Mining Stock Exchange of Denver is probably doing as much of more business than any exchange in the State; and the population at aver is fast rivalling Colorado Springs so far as their interest in mining it speculation is concerned.

F. H. PETTINGELL.

KRIGHTS DEEP (LIMITED).—A London transfer office has been opened at No. 8, Old Jewry, E.C., where transfers for registration can now be received.

### IN CORNWALD

AND DEVON: NOTES ON MINING IN THE WEST.

(FROM OUR SPECIAL CORRESPONDENT.)

THE near approach of the Christmas holidays would, under even better general circumstances, have the effect of slackening business on the Coroish Share Market, but the volume of transactions in the last few weeks has been so small that any further actions in the last few weeks has been so small that any further withdrawal means that there is no business at all. That is practically the position this week. There are very few ord ra about, and even those which may be in hand are executed privately. Whatever the buying orders may be, it is very certain that there are no sellers of stock on the Exchange, though what a good demand and an in creased price might do there has, unfortunately, been no means of proving. In addition to the general inactivity and depression, caused by the low price of tin, the market, of course, feels the effect of the East Pool and Wheal Agar trouble, and such matters as the recent fire at South Frances all have a tendency to damp the ardour of the few re-Frances all have a tendency to damp the ardour of the few remaining singuine dealers. They are consoling themselves with maining sunguine dealers. They are consoling themselves with the hope that things will improve in the New Year, and that opinion is larely held. It is felt that the large supplies from the Straits cannot continue indefinitely, that the alluvial deposits are being worked away so rapidly, as is obvious from the amount of tin which they produced, as to be sure to bring about some reaction. It is also being pointed out that coffee-planting is an industry of growing importance in the Straits, and that those who have already gone in for it have found it a very much more profitable investment for their capital than tin-streaming, so removes the over-burden as to leave the ground abso-useless for purposes of cultivation. The British Resilutely useless for purposes of cultivation. dent in Perak had some reference to this in his last report, and dent in Perak and some reference to this in his last report, and it will be remembered that Mr. Walter Pike, when he returned from a visit to the country some time ago, also pointed out this fact. Whether, however, the Straits tin will fall off in time to rescue Cornish mining before it gives its last gasp remains to be proved. It is very certain that some of the mines, few as they now are, cannot continue for long, and any improvement, if it is to be useful, must come quickly. if it is to be useful, must come quickly.

The most serious thing at the present moment is the unfortunate difficulty between East Pool and Wheal Agar, and this threatens to forestall the tin market in its apparent desire to choke Cornish mining. Precisely what we predicted as the inevitable outcome of the business has occurred, and the whole district is jeopardised. East Pool ongine continued working until its capacity was over-taxed, and the executive then prudently decided to stop rather than risk an accident. This was on Saturday morning, when the water was rapidly gaining on them, and flowing into the lower levels of East Pool in a perfect stream. At the time of writing South Crofty engine was still at work but it was doubtful for how long it was still at work, but it was doubtful for how long it would continue. The only thing to do now is to await developments. We understand that Mr. Alfred Lanyon is still endesvouring to become the medium for some settlement of the difficulty, and is negotiating as to some fresh basis of agreement. It is sincerely to be hoped that it may be successful.

THE only other matter of comment this week has been the contion in regard to the amalgamation of Wheal Basset and position in regard to the amalgamation of Wheal Bassst and South Frances, and we believe that matter has made some progress. Mr. Goddard is still firm in his claim on behalf of Mr. Basset for damaged land, and the basis of his claim is understood to be that as a certain compensation or rental has been paid annually by the mine to Mr. Basset or his tenants in regard to damaged land, that that must be redeemed by a payment of a sum equal to 28 years' purchase. The South Frances committee have asked Mr. Goddard to formulate the claim, and they will then consider it. There has been a lot of delay in the effecting of the amalgamation between the two mines, and it is quite time for the sake of the property and the shareholders that the thing should be settled. A meeting of the joint committees was held at Messrs. Bolitho's offices at Penzance, but the result has not been made public.

#### NOTES ON DEEP SHAFT SINKING IN THE LAKE SUPERIOR COPPER MINING DISTRICT.

By WALT &R MCDERMOTT

In Connection with the development of the deep levels of the Randt, the following notes on one of the deep shafts on Lake Superior may be of interest:—The copper-baring conglomerate beds of the Calumet and Hecla Mining Company's property have up to within a few years been worked by inclined shafts. A few years ago the Tamarack Mining Company developed its property on the dip of a portion of the Calumet and Hecla ground by vertical shafts, which were sunk some 2000 feet before intersecting the copper-bearing beds. Since then both the Tamarack and the Calumet and Hecla have started a number of still deeper shafts, several being planned for a depth number of still deeper shafts, several being planned for a depth of 5000 feet. The following notes refer to one of these latter

The dimensions are 13 feet 6 inches by 23 feet inside timbers, or 15 feet 6 inches by 25 feet outside timbers. The shaft is divided into six hoisting compartments, each 6 feet 3 inches by 7 feet in the clear, with timbers of southern yellow pins all 12 inches by 12 inches, and the sets were placed 5 feet apart, centre to centre, with 12 inches by 12 inches distance pieces between them. Outside of these sets a leading of the sine centre to centre, with 12 inches by 12 inches distance process
between them. Outside of these sets a lagging of 3 inch pine
planks; with bearers let into the rock, every three or four
sets depending on the character of the rock. The
ground sunk through was mostly hard trap, and four Raod
rock-drills 3½ inch, driven by compressed air at 60 pounds
pressure, were used. The explosive was Hercules powder. Sinking buckets, sinking grosshaad and dump tracks were also pressure, were used. The explosive was Hercules powder. Sinking buckets, sinking crosshead and dump trucks were also used. Two shifts per day, each consisting of 12 miners, 7 filler, 6 timber men, and 1 bell man were employed. 1000 feet was sunk the first year, and 1197 feet in another year; the rate of sinking during one month reaching 126 feet. The depth of July, 1, 1895, was 4426 feet, and the present rate of sinking is about 70 feet per month.

The monthly rate of driving crosscuts with dimensions of about 6 feet by 7 feet from this shaft during March, April, May, June, 1895, was as follows:—137 feet, 144 feet, 146 feet, 136 feet respectively.

A paper read at last Wednesday's meeting of the Institution of Mining and Metallurgy.

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### PROVINCIAL SHARE MARKETS.

THE CORNISH MINE SHARE MARKET.

THE CORNISH MINE SHARE MARKET.

M. B., SAMUEL JOHN DAVEY, Dealer in Cornish Mine Shares,
Redruth, Cornwall, reports under date of Dec. 19 (4 o'clock)
as follows:—We have had a quiet market all this week, and
sides, Following are quotations:—Blue Hills, 1s. to 2s.; Dolouth, 16s. 6d. to 17s. 6d.; Dolcoath (partly paid), 4s. 3d. to
4s. 3d. to 4; Kaitlifreth, 4s. 6d. to 5s. 6d.; South
foofty, \$\frac{1}{2}\$ to 4; Killifreth, 4s. 6d. to 5s. 6d.; South
foofty, \$\frac{1}{2}\$ to 3;
west Frances, 7s. to 9s.; West Kitty, 3\frac{1}{2}\$ to 4; Wheal Basset, 3\frac{1}{2}\$
4s. MICHAEL WILLIAMS BAWDEN. Mining and Assaying Offices

der. MICHAEL WILLIAMS BAWDEN. Mining and Assaying Offices 18 3; Wheal Greaville, 102 to 11; Wheal Kitty (St. Agnes), \$ 102.

18. MICHAEL WILLIAMS BAWDEN, Mining and Assaying Offices
jinkeard, Cornwall, writes (December 19) as follows:—The mining
sarket continues dull and neglected, with almost a suspension of
lasiness, prices merely nominal. Quotations:—Blue Hills, 1s. to
18 3d.; Carn Brea, \$\frac{1}{6}\$ to \$\frac{1}{2}\$; Dolcoath, 16s. to 17s.; ditto (partly
said), 4s. 6d, to 5s.; East Pool, 3\frac{1}{2}\$ to \$\frac{1}{3}\$; Killifreth, 5s. 6d. to 6s.;
laberro, 11s. to 12s.; South Crofty, \$\frac{1}{6}\$ to \$\frac{1}{2}\$; South Frances, \$\frac{1}{6}\$ to \$\frac{1}{2}\$;
lincoft, 2\frac{1}{6}\$ to 3; West Frances, \$\frac{1}{6}\$ to \$\frac{1}{2}\$; West Kitty, 3\frac{1}{2}\$ to 3\frac{1}{2}\$; Wheal Grenville, 10\frac{1}{6}\$ to 11; Wheal Kitty,

15 \$\frac{1}{6}\$ to \$\frac{1}{2}\$; Wheal Grenville, 10\frac{1}{6}\$ to 11;

Mesers. ABBOTT AND WICKETT, Stock and Share Brokers and Jining Share Dealers, Redruth, write under date of December 19:—
A very dull market all the week, and quotations largely nominal.
B is not probable that there will be much more business this year.
Quotations herewith:—Blue Hills, 1s. to 3s.; Carn Brea, \$ to \$:
Delcoath (fully-paid), 16s. 6d. to 17s.; ditto (5s. paid), 4s. 6d. to
46d.; East Pool, 3\frac{1}{2} to 3\frac{1}{2}; Killifreth, 4s. 6d. to 5s. 6d.; Polberro, \$ to \frac{1}{2};
ceth (Frothy, 4 to 4). South Frances, 1 to 4; Tingoffs, 24 to 3d. West Frances, \(\frac{1}{2}\) to \(\frac{1}{2}\); West Kitty, \(\frac{1}{2}\) to \(\frac{1}{2}\); Tincroft, \(\frac{1}{2}\) to \(\frac{1}{2}\); Tincroft, \(\frac{1}{2}\) to \(\frac{1}{2}\); Wheal Basset, \(3\) to \(\frac{1}{2}\); Wheal Metal (\(\frac{3}{2}\), \(\frac{1}{2}\), \(\frac{1}{2}\), \(\frac{1}{2}\). Wheal Metal (\(\frac{3}{2}\), \(\frac{1}{2}\).

#### MANCHESTER.

Messrs. Joseph R. and W. P. Baines, Stock and Share Brokers, Queen's Chambers, 7, Market-street, write, December 19 (noon):—The past week has furnished a sensation such has not occurred for sany years past. Up to the close of business on Tuesday evening geen's Chambers, 7, Market-street, write, December 19 (noon):—

be past week has furnished a sensation such has not occurred for

zavy years past. Up to the close of business on Tuesday evening

the markets generally had every appearance of improvement of a

stedy nature, the tone all round being distinctly better, and

sless in many cases fairly advanced on recent quotations. But

sterteday morning, on the publication of the astounding message to

longress from President Cleveland, the whole market collapsed, and

wer figures were the rule almost without exception. Later in the

isy the tone improved somewhat, for it was recognised

were interested to the street of the setting of the attitude

with use of words taken up and made by the American President,

be idea of its ridiculousness may be gathered from the bantering

seasge which, it is rumoured, was cabled from the London Stock

kenhange to Wall-street. Had it not been for this reprettable aber
ration on the part of the American President, doubtless we should

we had to report advances nearly, if not quite, all round the mar
its. As it is, however, the foremost markets quote lower all

send. In both the betterment and the sharp deline Consols

are participated. They were well better up to Tuesday,

its have since fallen away quite as smartly, finishing

fathe period under review 3-16 down. The "thunderbolt" has not

deted Colonials much, the changes herein, whilst few, being still

substantials and some other issues have joined their movement

sut as smaller extract. A few issues quote a bit higher too.

laming to rails, home railway issues, whilst comparatively quiet as

ngards business, were gradually developing a steadily-hardening

see till the "blast" arrived. Since then figures have fallen away,

away declines the rule to which on balance Great Eastern, with rise

dyand Great Northern Alf, are exceptions. Sootch stocks have show

meerons fluctuations, based, it would appear, more on speculative

overments, than on indications of change in the st

Ishing of special interest, however, more than can be gathered hunthe details to follow:—
CONSOLS.—Higher: Two and Three-Quarter per Cent., 3-16.
COLONIAL STOCKS, &C.—Higher: New South Wales Inscribed, \$\frac{1}{2}\$.
COMPORATION STOCKS AND DEBERTURES.—Higher: Nottingbam have per Cent., \$\frac{1}{2}\$. Southport Three and a-Half per Cent., 1;
Iligan Three per Cent., \$\frac{1}{2}\$. Southport Three and a-Half per Cent., \$\frac{1}{2}\$ to \$\frac{3}{2}\$.—Lower: laided, \$\frac{1}{2}\$; Uruguay Three and a-Half per Cent., \$\frac{1}{2}\$ to \$\frac{3}{2}\$.—Lower: laidin Four and aHalf per Cent., \$\frac{1}{2}\$ to \$\frac{1}{2}\$. Portuguese Three per Cent., \$\frac{1}{2}\$; Turkish D. \$\frac{3}{2}\$.

BANKA.—Higher: District Bank, \$\frac{1}{2}\$ to \$\frac{1}{2}\$; Parr's and Alliance, \$\frac{1}{2}\$; line of Manchester, \$\frac{1}{2}\$.—Lower: Bank of Liverpool, \$\frac{1}{2}\$; Imperial bleman Bank, \$\frac{1}{2}\$: Imperial of Persia, \$\frac{1}{2}\$.

INSURANCE.—Higher: British and Foreign Marine, \$\frac{1}{2}\$; Commercial Union, \$\frac{1}{2}\$; Liverpool, London, and Globe, 1 to \$\frac{1}{2}\$; London and Lancashire, \$\frac{3}{2}\$; Manchester Fire, 3-16; Maritime, 1-16; Royal, its \$\frac{1}{2}\$.—Lower: Dorman Longs, \$\frac{1}{2}\$; Ebbw Vale Steel, its \$\frac{1}{2}\$; Sheepbridge A, \$\frac{1}{2}\$.

Coal, Inon, &c.—Lower: Dorman Longs, ½; Ebbw Vale Steel, io ½; Sheepbridge A, ½.

TELEGRAPHS AND TELEPHONES.—Lower: Anglo-American leferred, ½; ditto, Preference, ½; Western and Brazilian Deferred, i; Mational Telephone, 1-16.

BERWERIES.—Higher: Bent's Ordinary, ½; Chester's, ½; Clarkson's, 1; Farker's, ½; Threlfall's, 1.—Lower: Allsopps, 3.

MECELLANEOUS.—Higher: Bell's Abbestos, ½; Coat's Ordinary, ½; Batman's, ½; Hetberington's, ½; Howard and Bulloch, ½; Mandester Palaces, 6d.; Rylands and Sons, ½; Salt Union, ½; United Mail, ½; Gas Light A, 1; Northern Assets, 6.—Lower: Brunner Sed, ½; Liverpool United Trams, ½; Manohester Carriage A, ½; West India and Pacific Steam, ½; Rochdale Canal, 3.

LATER (4 P.M.).—In home rails, Dover A have relapsed about 1, therwise changes in prices are unimportant. Americans began

therwise changes in prices are unimportant. Americans began that last night's figures, but early developed weakness, which said most of the day; but later somewhat of a rally took place, but not sufficient to bring prices back (in many instances) near last light's closing. Canadians have a very similar record.

Markets, after being much depressed, were looking better, but the recovery has not made much progress. In railway ordinary stocks, Caledonian Deferred has fallen 1 7-16, North British 1. In insurance shares, Liverpool, London, and Globe have risen from 49\frac{1}{2} to 50\frac{1}{2}, London and Lancashire from 17 to 17\frac{1}{2}. Boyal from 51\frac{1}{2} to 51\frac{1}{2}. North British and Mercantile have declined from 38\frac{1}{2} to 51\frac{1}{2}. North British and Mercantile have declined from 36\frac{1}{2} to 51\frac{1}{2}. Stational have risen from 74 to 76\frac{1}{2}, Union from 21 to 21\frac{1}{2}. National have declined from 35\frac{1}{2} to 553\frac{1}{2}. British South Africa have declined from 5\frac{1}{2} to 5\frac{1}{2}. Young's Paraffin have declined from 48s. to 46s. Edinburgh United Breweries are 8s. 9d. higher at 10\frac{3}{2}. Coats have advanced faom 28\frac{3}{2} to 29\frac{3}{2}.

#### SCOTCH MINING AND INDUSTRIAL COMPANIES SHARE MARKETS.

STIRLING .- Mr. J. GRANT MACLEAN, Stockbroker and Ironbroke (Docember 19), writes: -During the past week there has been little business doing as usual at this season of the year. Prices have been very irregular. At first they declined on realisations to close accounts of Continental operators, but quickly recovered most of the fall, and again they are on the downward tack owing to the unsettled state of foreign politics and labour str.kes. The money market however remains case, and trade presents are considered market, however, remains easy, and trade prospects are considered

In shares of coal, iron, and steel companies there is not much alteration to notice. Ebbw Vale are at 64, Marbella, 48s.; Niddric, 42s. 6d.; Rosewall Gas Coal, 6. The principal dealings have been in Steel Company of Scotland shares, which declined from 82s. to 68s., and are now 72s.

In shares of copper concerns prices are lower in sympathy with the market for the metal. Ariz ma have touched 43s. 6d.; Tinto, 15 7-16;

market for the metal. Ariz na have touched 43s. 6d.; Tinto, 15 7-16; and Tharsis, 93s.

In shares of gold and silver mines there has been less business doing. Chartered declined to 5 1-16, recovered to nearly 5\frac{3}{4}, and are again lower at 5 3-16. This company's meeting is expected next month, when probably some favourable statements will be made. The principal transactions have been in Consolidated, which touched 11\frac{1}{2}; East Rand, 95s.; Randfontein, 47s. 6d.; and Sheba, 30s. 6d.; but there have been many fluctuations. Some satisfactory dividends have been announced during the week, but prices have not responded owing to the absence of business. Afrikander are at 32s. 6d.; African Recovery, 31s.; Aurora Weest, 25s.; Baikis Land, 7s. 9d.; Bechuanaland, 33s. 9d.; Buluwayo Gold Reef, 2s. 9d; Broken Hill, 52s.; Bailey's Reward, 6s. 3d.; Beaconsfield Diamond, 11s. 3d.; Black Flag, 10s.; City and Suburban, 92s. 6d.; Cassel, 13s.; Crossus, 36s.; Eastleigh Deep, 12s. 6d.; Elkhorn Priority, 2s. 6d. prem.; Exploring Land and Mineral, 35s.; Golden Gate (Charters Towers), 1s.; Gold Fields Deep, 7\frac{3}{2}; Gold Fields of Mysore, 18s. 9d.; Golconda, 5s. 6d.; Hauraki, 10s.; Klerksdorp, 12s. 6d.; Lisbon, 6s. 9d.; fa Plata, 1s. 6d.; Mallina, 8s. 9d.; Mashonaland Agency, 46s. 3d.; Nundydroog, 37s.; Orion, 70s.; Oceana Land, 33s. 9d.; Poorman, 1s. 9d.; Paarl Central, 25s.; Robinson, 9\frac{3}{2}; South African General Development, 5s. 9d.; Union Jack, 13s. 9d.; United Gold Fields of Manica, 8s.; Victoria and Altamira (Preference), 1s.'; Willoughby's, 39s.; West Australian Gold Concessions, 32s. 6d.; Westralia and Rand, 20s.

In shares of miscellaneous companies prices are generally easier. In oil companies, Broxburn are at 12\frac{3}{2}, Pampherston 9\frac{1}{2}, and Young's 46s. Nobel's Explosives are at 15.

#### VIOLET CONSOLIDATED GOLD MINING COMPANY LIMITED.

VIOLET CONSOLIDATED GOLD MINING COMPANY LIMITED.

The second ordinary general meeting of the above Company was held this week at Winchester House, Old Broad Street, E.C., Mr. C. J. Tapp presiding. In moving the adoption of the report and accounts the Chairman remarked that some important developments had taken place at the mine during the last few months, materially adding to the intrinsic value of the property. Speaking on the financial condition of the Company, he said that on the 20th of June they had in hand, roughly, about £135,000. The directors found a great difficulty in getting any bankers to give them anything like a decent rate of interest, but the Company's bankers agreed to take £50,000 on deposit at 1 per cent, which, as deposits go, was a very good rate. The directors therefore determined to invest the remaining capital in the highest possible stock, and invested £75,000 in consols. He was glad to say that, allowing for the dividends, those consols could be sold at cost price. (Hear, hear.) Since October they had remitted £15,000 to South Africa. As would be gathered from the recent report, the manager was proceeding most energetically to open up the mine, and he was so confident as to its future that he is erecting a large compound, capable eventually of accommodating some 3,000 boys. He (the Chairman) had some recent and important information to lay before them. The Company's ground was really composed of fourteen different blocks. In the early days of the Rand, say in 1888-89, this ground was looked upon as the richest, because there had been one or two sensational strikes, Some of the companies formed had capitals of £150,000 and £300,000, all standing at big premiums, so that the aggregate market values at that time must have amounted to millions. The sum, for instance, of £40,000 has been spent upon the present dam, but everything went to smash, and the ground was more or less abandoned. On the information that the ground was freal intrinsic value, Mr. Henderson gradually acquired it.

#### NEW GORDON DIAMOND COMPANY LIMITED.

NEW GORDON DIAMOND COMPANY LIMITED.

The fifth ordinary general meeting of the above Company was held this week at Winchester House, under the presidency of Baron Emile Beaumont d'Erlanger. In moving the adoption of the report and accounts, the Chairman said the past year had been a somewhat disappointing one, but he had strong reasons for believing that the coming year would be more prosperous. The shareholders would remember that in August 1894, the mine was unwatered, and that trial washings were started shortly afterwards, of which results were given at the last meeting. On January 9, this year, the crushings began regularly with the small gear—continuous night-and-day crushings. Though these crushings confirmed the value of the blue ground, and of the gear as a diamond-recovering process, they were a commercial failure, the quantity of blue ground treated being insufficient to cover the working expenses. The total number of loads washed by the old gear up to March 9 was 37,599, yielding 5,314 carats of diamonds, thus averaging 14,13 carats to the load. The fact should be taken into consideration, however, that a great part of the blue was taken from the upper levels, which do not yield the best. The result showed, therefore, that the yield of the blue ground was quite what it was expected to be. On the advice of Mr. Lockhart, one of the directors, residing at Kimberley, and of Mr. McLelland, the general manager, it was decided to shut down the mine pending the erection of the large plant and the resumption of work on a large scale. The report was adopted.

THE LAGUNAS NITRATE COMPANY, LIMITED,

#### THE LAGUNAS NITRATE COMPANY, LIMITED.

THE LAGUNAS NITRATE COMPANY, LIMITED.

The first annual general meeting of this Company was held on Thursday at the Cannon Street Hotel. Col. J. T. North, in submitting the accounts for the year ending the 30th June, said that they showed a gross profit of £92,625. From this £10,075 had been deducted for depreciation and other expenses, leaving a balance of £82,550, out of which a dividend of 7½ per cent. had been paid, carrying forward the balance of £17,163. Up to the present the efforts to control production had been unsuccessful, but he believed the negotiations being conducted by the Permanent Nitrate Committee would shortly result in an agreement among all the Nitrate producers. Mr. Quat Faslem, who was largely interested in the Lautaro Company, which had kept outside the combination, had now arranged to join the Lagunas Board, and they also proposed to elect Mr. Lowe, Chairman of the Santa Rita Nitrate Company, and Mr. Reginald Morris, his own son and some other directors giving place to the Morris, his own son and some other directors giving place to the new men. He believed the best results would accrue from this arrangement, and he had just learned that all the Companies had agreed to come under the combination, with the one exception EDINBURGH.

had agreed to come under the combination, with the one exception of the Lautaro. Were the agreement complete, there would be a profit of from £1 10s. to £2 a ton to the Companies, and this, on the output of the Lagunas, would mean a very large this, on the output of the Lagunas, would mean a very large increase of dividend. The Chairman then dealt with the attacks Street, E.C.

MINER REQUIRED, IMMEDIATELY, for Gold Mine on West Const of Africa. Must be experienced in timbering. Apply by letter, stating [age and salary required (all found), to this, on the output of the Lagunas, would mean a very large increase of dividend. The Chairman then dealt with the attacks Street, E.C.

made in the papers upon nitrate companies generally, and the Lagunas Company in particular. These, in his opinion, had decreased the market value of the shares. The statements made, he showed, were false. The title to the property was guaranteed by the Lagunas Syndicate, who possessed an undisputed area of 548 estacas, out of which they had conveyed 200 to this Company, and no claim could by any possibility arise against this Company's title. Mr. Robert Harvey (a director) said that from his official position as Inspector-General of Nitrate Works for the Peruvian and Chilian Governments for seven years, he could say there were no better, if so good, properties as those belonging to this Company. If the combination were complete they would make very large profits, and even without it a very respectable profit would be made. They had had to contend against difficulties in the past, which were not likely to recur. The report was unanimously adopted.

ARROW PROPRIETARY MINES (W.A.) LIMITED.

ARROW PROPRIETARY MINES (W.A.) LIMITED. The statutory meeting of the above company was held this week at Winchester House, E.C., under the presidency of Mr. R. V. Barrow. In the course of his speech, the Chairman announced that all the capital had been allotted and the property duly transferred. It would be interesting to the shareholders to know that the directors had secured the services of Capt. Hanley direct from Cornwall. He started on his voyage two or three weeks ago, accompanied by his son, who was of mature age. They were recommended to the attention of the Board under the strongest auspices, and the latter had every confidence that in Captain Hanley they would have a man of their own. Unfortunately, companies frequently had captains whose names and whose services are of more or less eminence, but no one company seems to be able to control them. They seem to be common property in the interests of several companies frequently had captains whose names and whose services are of more or less eminence, but no one company seems to be able to control them. They seem to be common property in the interests of several companies, and to that extent more or less unsatisfactory to every one of them. In this respect they believed they would be better placed, and retain Captain Hanley entirely to themselves, and that he would give every satisfaction. The son was a well qualified mining engineer also, and would be working with his father. Of course, the information he could put before them was chiefly in the shape of telegrams. Captain Oates, on 12th November, cabled as follows: "I have returned from inspection of the Arrow leases. Since my previous inspection a great deal of work has been done—one vertical shaft 100 feet deep. We are now driving a crosscut and expect to cut the lode 20 feet from the formation of rock, which is highly mineralised. I recommend driving east and west to cut lode 3. Lode 2, vertical shaft, 40 ft. deep, width not yet determined; on the surface 200 tons, very rich in gold. Manager is accustomed to test. The reef has an average assay value of 4 oz. per ton. No. I master piece vertical is 174 feet deep; driving a crosscut to the east 18 feet; 6 feet from the shaft evidently stringers to main reef, which should shortly be cut. Paddington No. 2, 500 feet west—depth of shaft 76 feet; Kaolin underlying easterly crosscut. East should cut others in Paddington reef. The developments of the mine fully justify the expectations which have been formed." They had another cablegram from Captain Gray last Saturday to this effect: "Arrow and Oroya—Developments opening up splendidly. Have delayed machinery, pending arrival of Gray in London." They had also received from the company's attorney at Coolgardie, Mr. C. H. De Rose, the following cablegram, dated the 27th November: "Gaul No. 1 vertical shaft 150 feet deep; crosscut has cut the lode 25 feet, which is 3 feet wide. From the shaft the reef shows visible gold, 9

HARMONY GOLD & LAND COMPANY LIMITED.

HARMONY GOLD & LAND COMPANY LIMITED.

The third ordinary general meeting of this company was held on Tuesday at Winchester House, under the presidency of Mr. N. F. Robarts, who, in moving the adoption of the report and accounts, first spoke of Mr. Procter's visit, and of the advantages it would confer upon the company, and also to the appointment of Mr. Evans as manager. The group of farms near Pietersburg had improved in a wonderful manner, especially the farm Sterkloof, under the latter's management. They had also the satisfaction of knowing that the railway from Pretoria to Pietersburg was going to be actively proceeded with.—Mr. Procter then addressed the meeting at some length, going into details as to the position and prospects of the company, which, he pointed out, were encouraging.—The Chairman, in formally moving the adoption of the report and accounts, alluded to the principal items in the balance-sheet.—Lieut. Col. Collins seconded the motion.—Some discussion followed on the question of the trust fund, as a result of which—Mr. Neale proposed the adjournment of the meeting for four weeks, so as to enable the trustees to render their accounts. This was seconded by Mr. A. Curling Hunter, and carried.—The Chairman then moved that the company's accountants, Messrs. Crewdson, Youatt & Howard, be requested to audit the trust accounts. Mr. Braun seconded the resolution, and it was agreed to.—Commander de Lousada proposed that a cordial vote of thanks be given to Mr. Procter for his valuable services to the company.

#### CENTRAL WEALTH OF NATIONS (LIMITED).

At the statutory meeting of the shareholders in this gold mine, held on Wednesday, at Winohester House, Mr. William Lonsdale, who presided, stated that the company was incorporated on September 6, and had 600 shareholders. Their managers had telegraphed that the property was expected to equal that of the Wealth of Nations, and they had a larger area than that company. The lode which was being opened up was said to be a well defined one of considerable width, giving every indication of continuing.

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#### NOTES FROM ANDALUCIA.

PAPER ON THE CUPREOUS PYRITES DEPOSITS OF ANDALUCIA AND ALGARVE.

#### RETROSPECTIVE AND PROSPECTIVE

Extracts and Notes from Mining Operations and Reports on these during the past 25 years.

#### By WILLIAM GUTHRIE BOWIE.

(Continued from page 1504.)

THE foregoing part of this paper will have illustrated t'e difficulty of finding a base whereon to fix proper estimations owing to the different methods adopted for all these operations, and the varying circumstances of each deposit in position, quantity and quality, while the total absence of reliable statistics in these departments in most of the mines further in-

crease this difficulty.

Seeing this, the following estimations are based not upon the contents of the ore, but simply upon the tens of ore extracted and sent to export or local treatment, as the same expenses are necessary to exploit pyrites with no copper as that very rich in this metal, and each can estimate the costs per ton of copper or sulphur to answer any particular mine and its production in these:—

First Acquirement.—This can be—First. By concession direct from the Government.—Second. By purchase, for cash.—Third. Royalty on the tons of ore extracted.—Fourth. Royalty on the copper produced.—Fifth. Renting at a fixed sum.—Sixth. By paid-up shares, or combinations of these.

paid-up snares, or communations of these.

First.—By concessions direct from the Government.

It is evident from ancient histories as well as edicts and records of Roman governors referred to (see Mining Journal, 1894, page 153-478) that systems of contracts, rents, and royalties cords of Roman governors referred to (see Mining Journal, 1894, page 153-478) that systems of contracts, rents, and royalties were in use in these mines by both Phenicians, Carthaginians, and Romans, and that the mines were held by the various governors as State properties, or for State purposes—in fact, the same conditions as prevail at the present day in Spain, the State being still the owner, but resigns this ownership to others who fulfil certain obligations and payments, and who, in their turn, can again resign these to others on these same terms coupled with others as purchase by cash, royalty on ton of ore, &c., referred to. While this law of Spain and State ownership is certainly a good one, where a real working capitalist or mining company thus directly obtains the same from the Government, it has resulted in the immediate acquirement of all likely places and mines by parties who are only owners for speculative purposes, and in order to, if possible, exploit those who may desire to work them, while the law permits their being idle so long as the tax imposed is paid. Thus it happens that with very rare exceptions companies do not obtain any advantages from this State ownership, as it will be observed that eventually those who desire to exploit the mines have to deal with two owners each with distinct rights, for the Government always exacts its rights, no matter the changes made to other hands by the concessionnaire, while the latter charges his own price in such a way that it makes the royalties paid in Great Britain to landowners for working minerals in their properties look trifles, when compared to the prices and royalties paid by British companies in Spain to owners of such mining concessions, who, besides, have neither the land, or, properly speaking, not even the ownership of the mine, as all are always burthened with, besides the taxes proper to the concessions, 2 per cent, value of the mineral extracted, another equal charge for that the ownership of the mine, as all are always burthened with, besides the taxes proper to the concessions, 2 per cent. value of the mineral extracted, another equal charge for that exported, while seeing the recent acts of the Government in increasing the first 33 per cent., and the two last 100 per cent. each, there is no saying when a further increase may be decreed, while the fact is these charges are quite enough without any concessionnaire's charges in many of these mines, while again there are always other parties to deal with who are the owners of the surface, and although the Government has the right of exprendiction, this is always tedious, expensive, and troublesome. expropriation, this is always tedious, expensive, and troublesome, hence it is assumed that the object of facilitating mining by State ownership is defeated by this facility of acquirement by speculative concessionnaires, and ignorant or avaricious land owners of the surface of the concessions or roads, &c., necessary for exploitation, and their charges.

Second—By purchase for each.

Second.—By purchase for cash.

A careful calculation of all the tons of useful ore obtained A careful calculation or all the tons of useful ore obtained from mines acquired by this purchase, to where they have become too poor in copper to extract under existing circumstances and prices paid for their produce, indicates that the average price for purchase acquirement is 1s. 5\frac{1}{2}d. per ton of ore extracted, or possible to extract as stated for all that obtained from these masses up to date. It must be remembered that this residual possible to extract as stated for all that obtained from these masses up to date. It must be remembered that this price does not apply to any particular mine, but to an average for the whole mining zone, as, for instance, Rio Tinto, at its purchase price based on 300,000,000 tons of ore, would be some 2½d. to 2½d. per ton of ore, that is without mentioning interest on the purchasing capital during the years necessary to recover the same by profits from the mining and sales of the produce of the ores. If, however, we allow 30 years at 1,500,000 tons of ore exploited yearly, as a more practical guide, and based on the evidences as to the quantity and quality, asfety, and really available and possible to utilise, then the purchase price without any interest, as mentioned, will come near the 1s. 5½d. named as the average for all, and this will eventually be found to be fairly approximate to the cost price per ton of useful ore possible to obtain here, or, at least, this amount should, for safety, be deducted from the value of the mine, or charged against each ton of ore extracted, so as to clearly obtain the salety, be deducted from the value of the mine, or charged against each ton of ore extracted, so as to clearly obtain the true cost of the ton of sulphur or copper produced, and as the mine proceeds to a termination of its useful ore, written down accordingly in its value.

exploitation and geology, given us in order to estimate the value of these properties, and avoid further losses in purchases for

At the present day, and under present circumstances, this price is high, for as the future of these masses is one eventually depending on a return of 1 ton of copper from 100 tons of ore, then every ton of copper has cost £7.7s. 11d. for the purchase of the mine, and if only £40 is obtained for a ton of copper, only £32 12s. 1d. is left to pay interest, development, exploitation, and treatment expenses; or, rather, for every £100 realised at £40 per ton for copper £18 9s. 94d. goes for purchase, or nearly 18.5 per cent. If, however, a return of more copper is made, then this is where the advantage of a purchase comes in, but it will be seen that errors have been made in the past, and there is great necessity for caution in the future; if purchase can be arranged on cautious terms, much more can be made of a mine, and the constituents of its ores, as there are no obligacash. a mine, and the constituents of its ores, as there are no obligations to trammel the exploiter either as to quality, method of exploitation, or that adopted for treatment to obtain all the splendid operations of Rio Tinto or Tharsis, where the com-

panies are the owners, and can act as convenient.

Third.—By royalty on the ton of ore extracted.

In this, as in that by purchase, there are many prices from 10s. per ton in copper pyrites to 6d. per ton in pyrites. A general average, however, paid for ores extracted by royalty on the ton of ore gives 1s. 8d. as the amount, which in cases of the present returns and as anticipated to be collected. of the present returns, and as anticipated to be only 1 ton of copper per 100 tons of ore, is £3 6s. 8d. per ton of copper, or £20 16s. 8d. in this case to the owners of every £100 realised

with copper at £40 per ton.

As in the case of purchase, any increase in the copper produced is all the advantage; but, in face of existing circumstates. duced is all the advantage; but, in face of existing circumstances, mines paying such royalties cannot continue, much less those paying higher values. It is true that only the tone extracted are paid for, but as a mine can only become productive by expenditure on its preparation, any arrangements by royalty on the ton must be guided by very accurate calculations, and as to what is ore and what is not, what to leave in and what to extract, how to exploit the mass, &c.; that, if not properly determined, causes law pleas and losses. Now, in most cases, these arrangements have been neglected, thus rich cupreous schist, rich native copper, &c., may not be utilised, while poor schist, rich native copper, &c., may not be utilised, while poor copper ores have to be extracted and paid for as if richer, while stoppages and other convenient arrangements, as when full owners are not easily arranged, and never without expensive concessions, even when commercial values indicate such stoppages, &c., as prudent.

( To be continued.)

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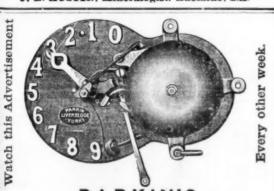
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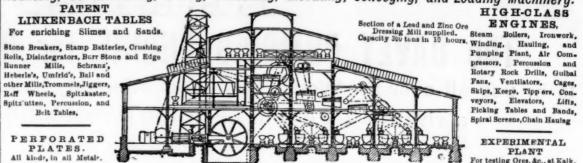
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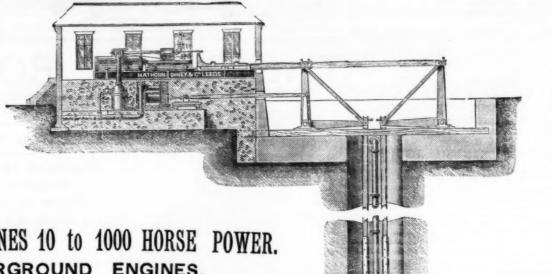
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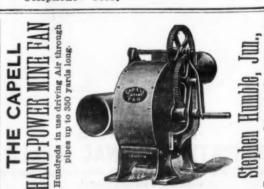
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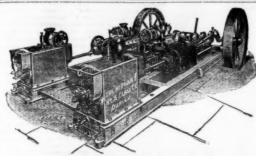
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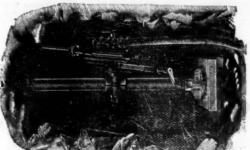
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"I have great pleasure in bearing testimony to the merits and capabilities of your patent combined fine student and sieving apparatus. I have tried it on a warlety of orea and minerals, and it pulverises them with equal success. You can put in a small paving tone and bring it out like flour."

"In reply to your favour, I have much pleasure in informing you that the 12x3 Pulveriser we had from you is giving us every satisfaction. The material we are operating on is an exceptionally hard one. I am well satisfied with its working."

"Our experience is that the motion and mechanical arrangements of your machine are the best for pulverising that we have ever met with."

"The reports from our minesa regards the working of your Fine Crusber (20x5) recently supplied are very favourable, although we cannot quote you exact figures. On being got into position it was tried by Annd, with the result that it made short work of the oligest pieces of ore we put into the hopper. Ton mights, y how long you would take to deliver another. "As I once before stated, your machine is a perfect pulveriser."

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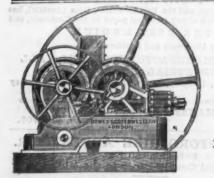
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